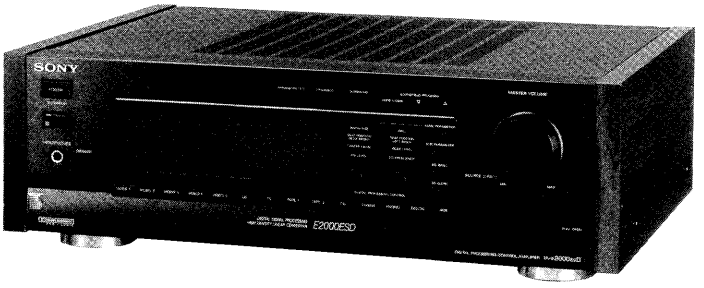
TA-E2000ESD

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model



SPECIFICATION

Amplifier section

Frequency response (Parametric EQ, Dynamics, Surround: OFF)
Other than PHONO
Front, Center*, Rear:
10 Hz – 20kHz ±0.1 dB
Subwoofer: Cut off 80 Hz, 18 dB/oct.
PHONO
VIDEO 1 – 3 AUDIO OUT, TAPE1, 2
REC OUT: 20 Hz – 20 kHz ±0.2 dB

Input sensitivity and input impedance
PHONO (MM): 5 mV, 50 kohms
TUNER, CD, TAPE1, 2, VIDEO 1 – 5, LD, TV: 250 mV, 50 kohms
DIGITAL OPTICAL 1, 2: None
DIGITAL COAXIAL: 0.5 Vp-p ±20% 75ohms

S/N
PHONO
Front, Center, Rear: 84 dB (A)
TUNER, CD, TAPE1, 2, VIDEO 1 – 5, LD, TV
Front, Center, Rear: 94 dB (A)
DIGITAL (OPTICAL 1, 2, COAXIAL)
Front, Center, Rear: 103 dB (A)

Residual noise: Below 10 μV (A)

Output voltage and output impedance
VIDEO 1 – 3 AUDIO OUT, TAPE, 1, 2
REC OUT: 250 mV, 470 ohms
FRONT, CENTER, REAR, SUBWOOFER: 2.5 V
DIGITAL OPTICAL 2: None
DIGITAL COAXIAL: 0.5 Vp-p ±20%, 75 ohms
HEADPHONES: 25 mW (at 8 ohms); accepts low and high impedance headphones

Total harmonic distortion
Analog input
Front: below 0.004% at 1 kHz
Digital input
Front: below 0.003% at 1 kHz

* When the PRO LOGIC MODE button is set to WIDE in Dolby SURROUND Mode.

Video section

Video input sensitivity and input impedance
VIDEO IN
VIDEO 1 – 5, LD, TV: 1 Vp-p, 75 ohms
S VIDEO IN
VIDEO1, 2, 5
Luminance (Y): 1 Vp-p, 75 ohms
Chroma (C): 0.286 Vp-p, 75 ohms

Video output voltage and output impedance
VIDEO OUT
VIDEO 1 – 3, MONITOR1, 2: 1 Vp-p, 75 ohms
S VIDEO OUT
VIDEO 1, 2, MONITOR
Luminance (Y): 1Vp-p, 75 ohms
Chroma (C): 0.286 Vp-p, 75 ohms

Digital signal processor section

Parametric equalizer 3-band
Center frequency: 18 Hz – 20 kHz, 1/9 oct.-step
Level: ±12 dB, 0.1 dB-step
Slope (Q): 16-steps

—continued on next page—

使用時は添付資料も参照のこと
Refer to the additional documents.

DIGITAL PROCESSING CONTROL AMPLIFIER

SONY®

Dynamics	Compressor: 1 – 9, 1-step Expander: 1 – 9, 1-step
Surround	Main parameter Room size: 0.5 – 2.0, 0.1-step Wall: 0.5 – 2.0, 0.1-step Seat position: F50-0-R50, L50-0-R50 1-step Sub parameter Early reflection time: 2 – 500 mS**, 2mS-step Early reflection level: 0 – 100%, 1%-step Reverb time: 0.3 – 5.0S, 0.1 S-step PRO LOGIC DECODER: ON, OFF Separation control: 0 – 10, 1-step Effect level: 0 – 100%, 1%-step Delay time: 15.0 – 30.0 mS, 0.1 mS-step

** When Room=2.0, this is adjustable up to 500 mS

A/D, D/A converter section

A/D converter	Type: High density linear converter system Sampling frequency: 48 kHz
D/A converter	Front: Advanced pulse D/A converter system Center: Advanced pulse D/A converter Rear: Advanced pulse D/A converter Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz

General

Power requirements	AEP, Germany model: 220 V AC (or 240 V AC adjustable by authorized Sony personnel) 50/60Hz US, Canadian model: AC 120V, 60Hz E model: 120V, 220V, and 240V AC adjustable, 50/60Hz
Power consumption	38 watts
AC outlets	Switzerland: Not equipped Other European countries: 1 switched, 500 watts Countries other than Europe: 3 switched, total 500 watts 1 unswitched, 300 watts
Dimensions	Approx. 470 × 150 × 355 mm (18 1/2 × 6 × 14 inches) (w/h/d) including projecting parts and controls. Width when removing the side panels: 430 mm (17 inches)
Weight	Approx. 8.5 kg (18 lb 12oz)
Supplied accessories	Programmable remote commander RM-P2000 (1) Sony Batteries SUM-3 (NS) (2) Audio connecting cord (3) Screw (4)

Design and specifications are subject to change without notice.

Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

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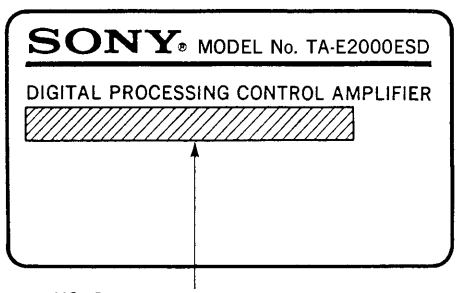
MODEL IDENTIFICATION

—Specification Label—



US, Canadian Model: AC 120V 60Hz 38W
AEP, Germany (G) Model: AC 220—230V~50/60Hz
E model: AC 120/220/240V~50/60Hz 38W

SAFETY-RELATED COMPONENT WARNING!!

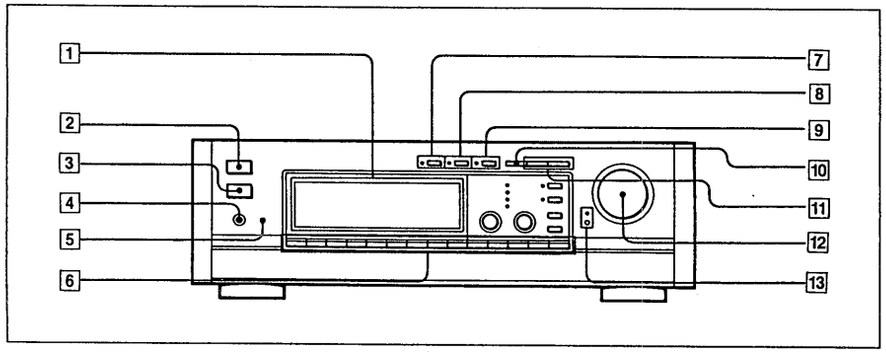
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

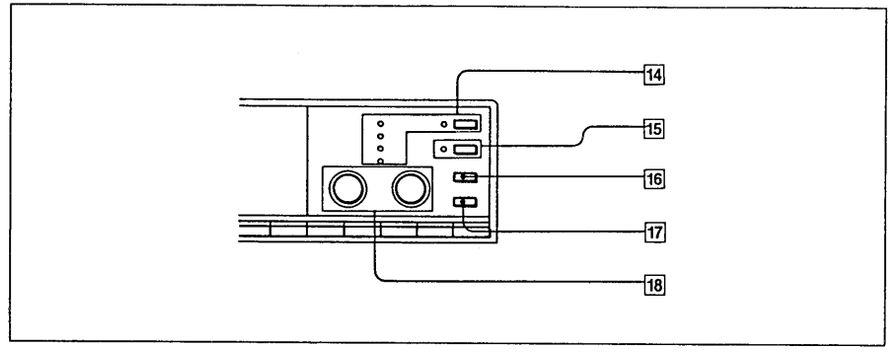
ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

1-1. FUNCTIONS OF CONTROLS

Front Panel





[1] **Display**

[2] **POWER switch**
Press to turn on the amplifier and the equipment connected to the SWITCHED outlets. Press again to turn off.

[3] **Remote control sensor**

[4] **HEADPHONES jack**
Accepts the stereo phone plug of headphones. The jack outputs the sound of the front speakers only. To listen to the program source only with the headphones, turn off each power amplifier or set the speaker select switch on each amplifier to OFF.

[5] **DIMMER button** (page 32)
Adjusts the brightness of the display to one of three levels. You can also use this button to check which parameter can be adjusted.

[6] **Input select buttons and MIX button** (page 26)
Select the desired program source.

[7] **PARAMETRIC EQ button and indicator** (pages 32 and 41)
Turns on and off the parametric equalizer. When the parametric equalizer is on, the indicator lights.

[8] **DYNAMICS button and indicator** (pages 32 and 40)
Turns on and off the dynamics function. When the dynamics function is on, the indicator lights.

[9] **SURROUND button and indicator** (pages 32 and 34)
Turns on and off the surround function. When the surround function is on, the indicator lights.

[10] **PRESET/USER button** (page 44)
Selects either the sound field preset at the factory or sound field preset by the user.

[11] **SOUNDFIELD PROGRAM buttons** (page 29)
Selects the desired sound field.

[12] **MASTER VOLUME knob** (page 26)
Controls the audio level from LINE OUT and HEADPHONES jacks.

[13] **SOURCE DIRECT button and indicator** (page 31)
Directly outputs the program source sound without passing through the parametric equalizer, dynamics and surround circuitry. Rear and center outputs are disconnected and signals are output from the front and subwoofer. Press the button again to release. In EFFECT REC mode, if the SOURCE DIRECT button is pressed, EFFECT REC mode will be released.

[14] **MAIN PARAMETER button and indicators** (pagea 34, 35, 36 and 41)
Selects the pair of main parameters to be set. The indicator lights when the main parameters can be set.

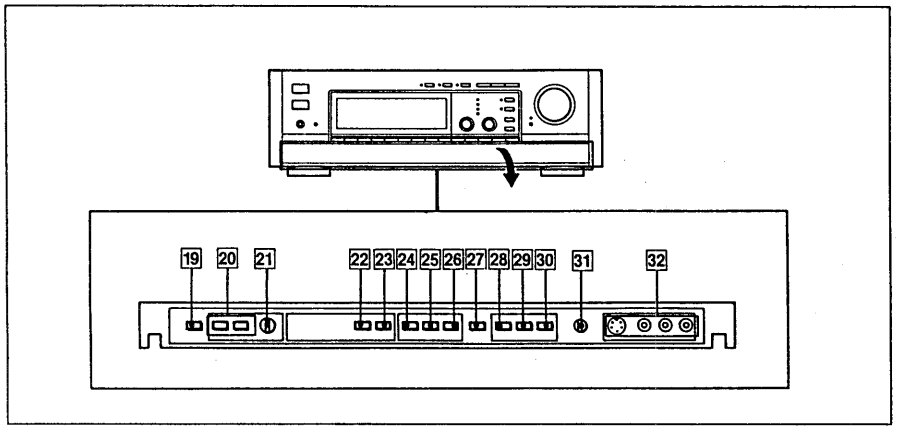
[15] **SUB PARAMETER button and indicator** (pages 37 and 40)
Selects the sub parameter to be set. The indicator lights when the displayed sub parameter can be set.

[16] **EQ BAND select button** (page 41)
Selects the desired band of the parametric equalizer.

[17] **EQ SLOPE select button** (page 41)
Selects the desired slope (Q) of the parametric equalizer.

[18] **DIGITAL PROCESSING CONTROL knobs**
Set the parameters.

This section is extracted from instruction manual.



19 **PRO LOGIC MODE button** (page 20)
Selects the operation mode of Dolby Pro Logic surround function.

20 **DIGITAL input level buttons** (page 24)
Adjust the input level connected to the digital input jacks. Keep pressing + until just before **OVER** appears in the display.

21 **ANALOG input level knob** (page 24)
Adjusts the input level of analog inputs. Turn the knob clockwise until just before OVER appears in the display.

22 **EQ CH (equalizer channel) button** (pages 41 and 42)
Selects the channel (front, center, rear or all the channels) to be adjusted by the parametric equalizer.

23 **FLAT button** (page 42)
Makes the channel equalizer curve being displayed be flat.

24 **MEMORY button** (pages 28 and 43)
Stores the parameter settings and digital input assignment.

25 **ENTER button** (pages 43 and 45)
Stores parameter settings or stores the title written.

26 **CLEAR button** (page 28)
Clear the digital equipment assigned to an input select button.

27 **CHARACTER button** (page 45)
Writes a title for an input select button or a sound field.

28 **EFFECT REC (record) button** (page 31)
Outputs the digitally-processed signals to the analog recording output jacks (AUDIO OUT and REC OUT). These signals are not output to the digital recording output jack (OPTICAL 2).
When this button is set to ON, the SET button does not activate.

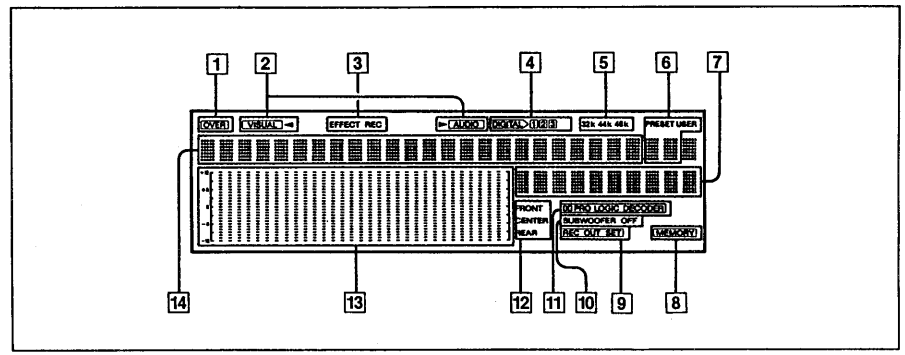
29 **SET button** (page 47)
Sets the desired program source for recording while you are listening to or watching another program source.

30 **CHECK button** (pages 46 and 47)
Displays the program source to be recorded which is selected by the SET button. Checks the former label on the sound field.

31 **BALANCE control knob**
Adjusts the balance between the left and right front speakers. Generally, set the knob at the center position.

32 **VIDEO 5 INPUT jacks** (page 9)
Accept S-video/video and audio input signals.

Display



1 **OVER indication**
Lights when the input level is so high that the circuit clips.

2 **VISUAL ◄/► AUDIO indications**
Indicate either visual input or audio input to be selected when mixing them.

3 **EFFECT REC indication**
Lights when the EFFECT REC button is pressed to make an effect recording.

4 **DIGITAL 1 2 3 indication**
Indicates the digital input selected by the DIGITAL button.
DIGITAL 1 : Input to the OPTICAL 1 IN jack in the rear panel is selected.
DIGITAL 2 : Input to the OPTICAL 2 IN jack is selected.
DIGITAL 3 : Input to the COAXIAL IN jack is selected.

5 **Sampling frequency indicator**
Indicates the sampling frequency of the digital signal input. (For example, in the case of a CD, 44k is indicated.)

6 **PRESET/USER sound field number indication**
Indicates the number of the PRESET/USER select button setting or the number of the sound field.

7 **Sound field name indication**
Indicates the sound field name selected.

8 **MEMORY indication**
Appears when you press the USER button to store the parameter settings. When designating the sound field number to be stored and pressing the ENTER button, the MEMORY indication disappears showing that the storing has been complete. (In the case of the remote commander, the MEMORY indication appears when you press the MEMORY button and disappears when you press the sound field number button.)

9 **REC OUT SET indication**
Appears when the SET button is pressed and disappears when the SET button is pressed again.

10 **SUBWOOFER OFF indication**
Lights when the subwoofer output is muted by the remote commander.

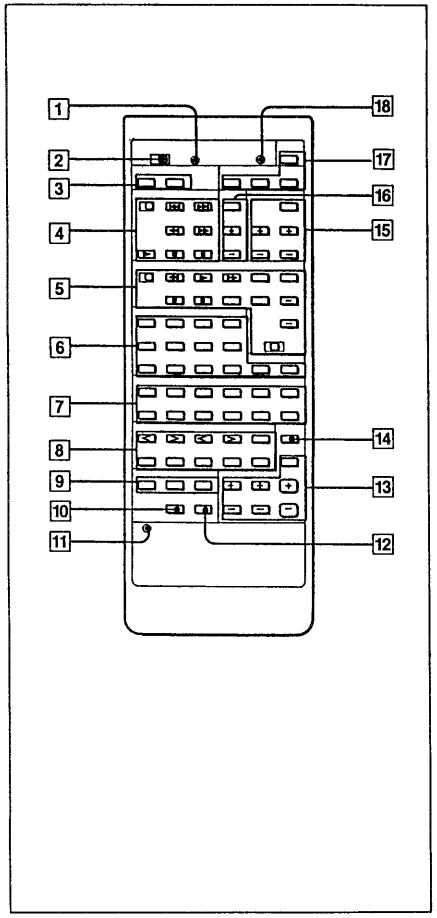
11 **DD PRO LOGIC DECODER indication**
Lights when the Pro Logic Decoder is used.

12 **FRONT CENTER REAR indication**
Indicates the FRONT, CENTER or REAR channel whose tone quality is to be adjusted.

13 **Equalizer curve indication**
Indicates the equalizer curve.

14 **Character indication**
Indicates a sound field name, program source, operation mode or warning concerning incorrect operation.
When the line output signals are muted, MUTING ON is indicated.

Programmable Remote Commander RM-P2000



The RM-P2000 can "learn" various functions of other remote control units which use infrared rays. When the mode selector is set to SONY STD (Sony standard), you can use the buttons on the RM-P2000 to perform the functions as follows.

1 LEARN indicator (page 48)
Is used to confirm operation when storing the signals of other remote control units.

2 Mode selector (page 48)
SONY STD: To control Sony equipment.
USER STD: To control the equipment whose remote control functions are stored.
LEARN: To store functions of other remote control units that use infrared rays.

3 DISPLAY buttons
MODE (display mode) button
Selects the display in the following order.
All indications are displayed→Name of equipment being input is displayed→Only the MASTER VOLUME indicator lights (When operating other buttons or knobs, their indications light automatically for several seconds.)→All indications are displayed.
DIMMER button
Adjusts the brightness of the display to one of three levels.

4 CDP/LDP control button (page 48)
CDP/LDP selector: Selects the equipment to be controlled.
▶ : Play
II : Pause
■ : Stop
⏮ ⏭ : AMS (Automatic Music Sensor)—Locates a desired selection
◀◀ ▶▶ : Search (for LD player only)

5 TAPE/VTR control buttons (page 48)
TAPE/VTR selector: Selects the equipment to be controlled.
▶ : Playback
II : Pause
■ : Stop
◀◀ : Rewind
▶▶ : Fast forward
● : Record (Press this button together with the button to the right of this button to start recording.)
You can use the following buttons when the TAPE/VTR selector is set to VTR.
DUAL : Selects bilingual programs.
ANT TV/VTR : Selects output signal from the antenna terminal on the VCR.
CH +/− : Selects a higher or lower preset channel.
VTR selector : Selects VCR 1, 2 or 3.

6 Input select buttons: Work in the same way as buttons on the main unit. (page 26)

7 Sound field buttons (page 29)
PRESET/USER: Selects either the sound fields preset at the factory or the sound fields preset by the user.
MEMORY button: Stores the parameter setting and digital input assignment.
Sound field select buttons (1-10): Select a desired sound field.

8 Parameter control buttons: Work in the same way as the buttons on the main unit.
DIGITAL PROCESSING CONTROL button
MAIN PARAMETER button
SUBPARAMETER button
EQUALIZER CH (channel) button
EQUALIZER BAND button
EQUALIZER SLOPE button
EQUALIZER FLAT button

9 Digital sound processing buttons: Work in the same way as the buttons on the main unit.
PARAMETRIC EQ (equalizer) button
DYNAMICS button
SURROUND button

10 TEST TONE button (page 22)
Turns on and off the test tone to adjust the balance among the front, center and rear speakers.

11 RESET button (page 49)
Is used when the remote commander does not work correctly.

12 SUB WOOFER button
Mutes the subwoofer outputs. SUB WOOFER OFF appears on the display. Press again to release.

13 Volume control buttons
MASTER VOL +/−: Adjust the level of the LINE OUT and HEADPHONES jacks.
REAR VOL +/− : Adjust the level of the rear speakers.
CENTER VOL +/−: Adjust the level of the center speakers.
MUTING : Mutes the line outputs. MUTING ON appears in the display. Press again to release.

14 SOURCE DIRECT button
Directly outputs the program source sound without passing through the parametric equalizer, dynamics and surround. Rear and center outputs are disconnected and signals are output from the front and subwoofer. Press the button again to release. During EFFECT REC mode, when you press the SOURCE DIRECT button, EFFECT REC mode will be released.

15 TV control buttons
TV/VIDEO: Selects the input to the TV.
VOL +/−: Adjust the volume.
CH +/− : Select the preset channel.

16 Tuner control buttons
BAND: Selects the frequency band.
PRESET +/−: Select the preset number.

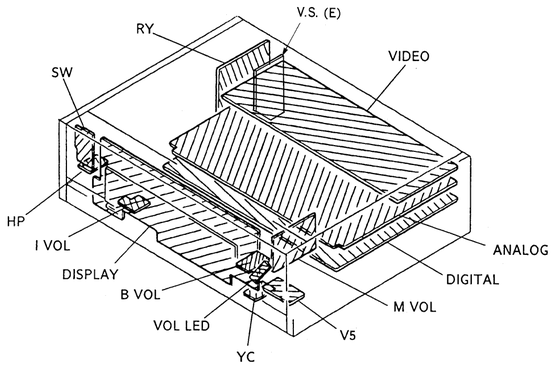
17 Power buttons
POWER: Turns this amplifier and the equipment connected to the SWITCHED outlets on and off.
TV POWER: Turns the TV on and off.
VTR POWER: Turns the VCR selected by the VTR 1, 2, 3 selector switch on and off. (Works only when the TAPE/VTR selector is set to VTR.)
LDP POWER: Turns the LD player on and off.

18 PROGRAM CLEAR button (page 49)
Clears all the stored signals.

TA-E2000ESD TA-E2000ESD

SECTION 2
DIAGRAMS

2-1. CIRCUIT BOARDS LOCATION



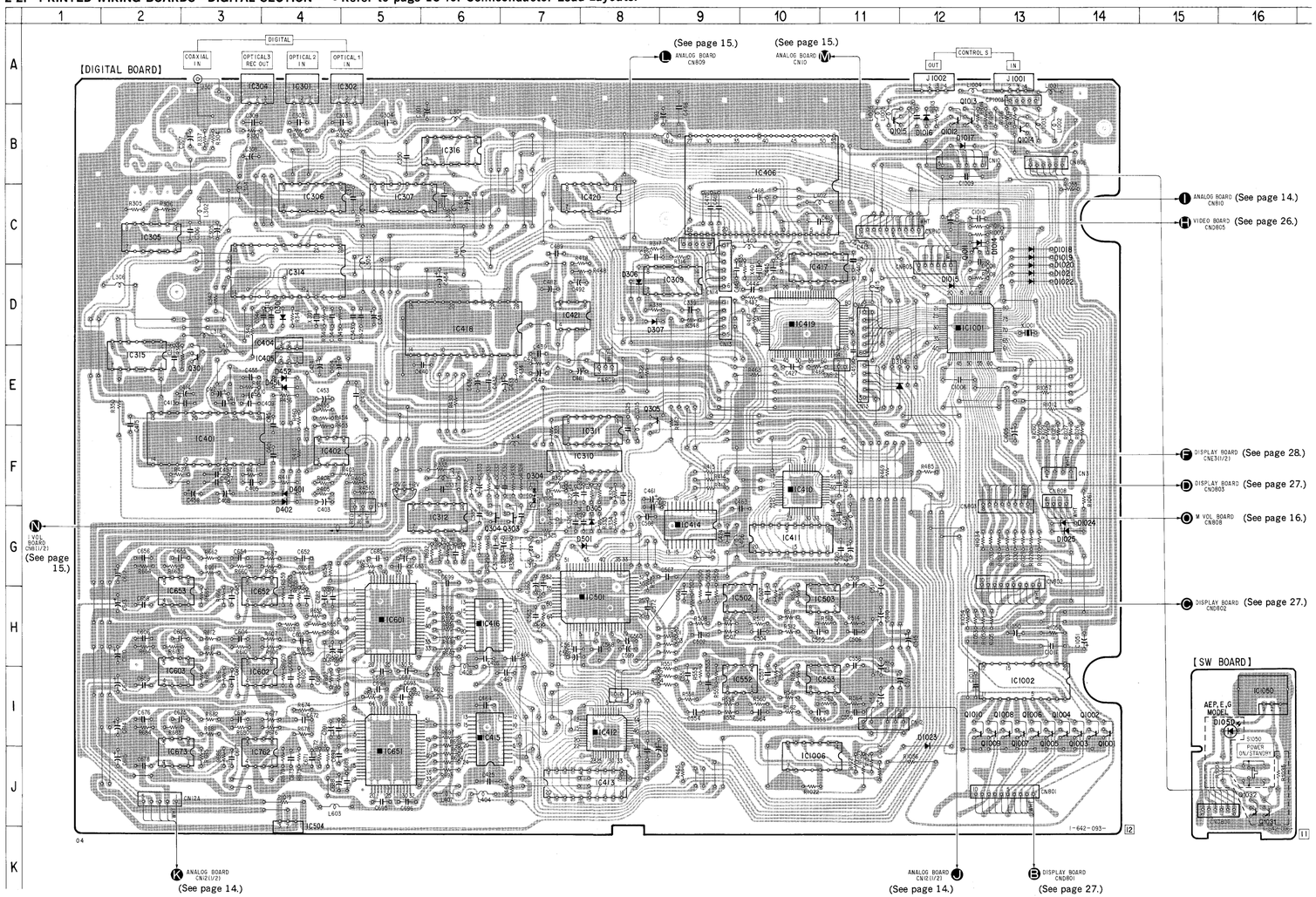
● **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D301	D-4	IC416	H-6
D304	F-7	IC417	D-10
D305	G-8	IC418	D-6
D306	D-8	IC419	D-10
D307	D-8	IC420	C-8
D308	E-12	IC421	D-7
D403	B-11	IC501	H-8
D501	G-8	IC502	H-9
D1014	C-12	IC503	H-11
D1015	D-12	IC504	J-4
D1016	B-12	IC552	I-9
D1018	C-13	IC553	I-11
D1019	C-13	IC601	H-5
D1020	D-13	IC602	I-3
D1021	D-13	IC603	I-2
D1022	D-13	IC651	J-5
D1023	J-12	IC652	H-3
D1024	F-14	IC653	H-2
D1025	F-14	IC673	J-2
D1050	I-16	IC762	J-3
		IC1001	D-12
IC301	A-4	IC1002	I-13
IC302	A-5	IC1006	J-10
IC304	A-3	IC1050	I-16
IC305	C-2		
IC306	B-10	Q301	E-3
IC307	C-5	Q303	G-7
IC309	D-9	Q304	G-6
IC310	F-8	Q305	F-8
IC311	F-8	Q1001	I-14
IC312	G-6	Q1002	I-14
IC313	F-5	Q1003	I-14
IC314	D-4	Q1004	I-13
IC315	E-2	Q1005	I-13
IC316	B-6	Q1006	I-13
IC401	F-3	Q1007	I-13
IC402	F-4	Q1008	I-13
IC404	E-4	Q1009	I-13
IC405	E-4	Q1010	I-12
IC406	B-10	Q1011	C-12
IC410	F-10	Q1012	B-12
IC411	G-11	Q1013	B-12
IC412	I-8	Q1014	B-13
IC413	J-7	Q1015	B-11
IC414	G-9	Q1031	J-16
IC415	I-6	Q1032	J-16

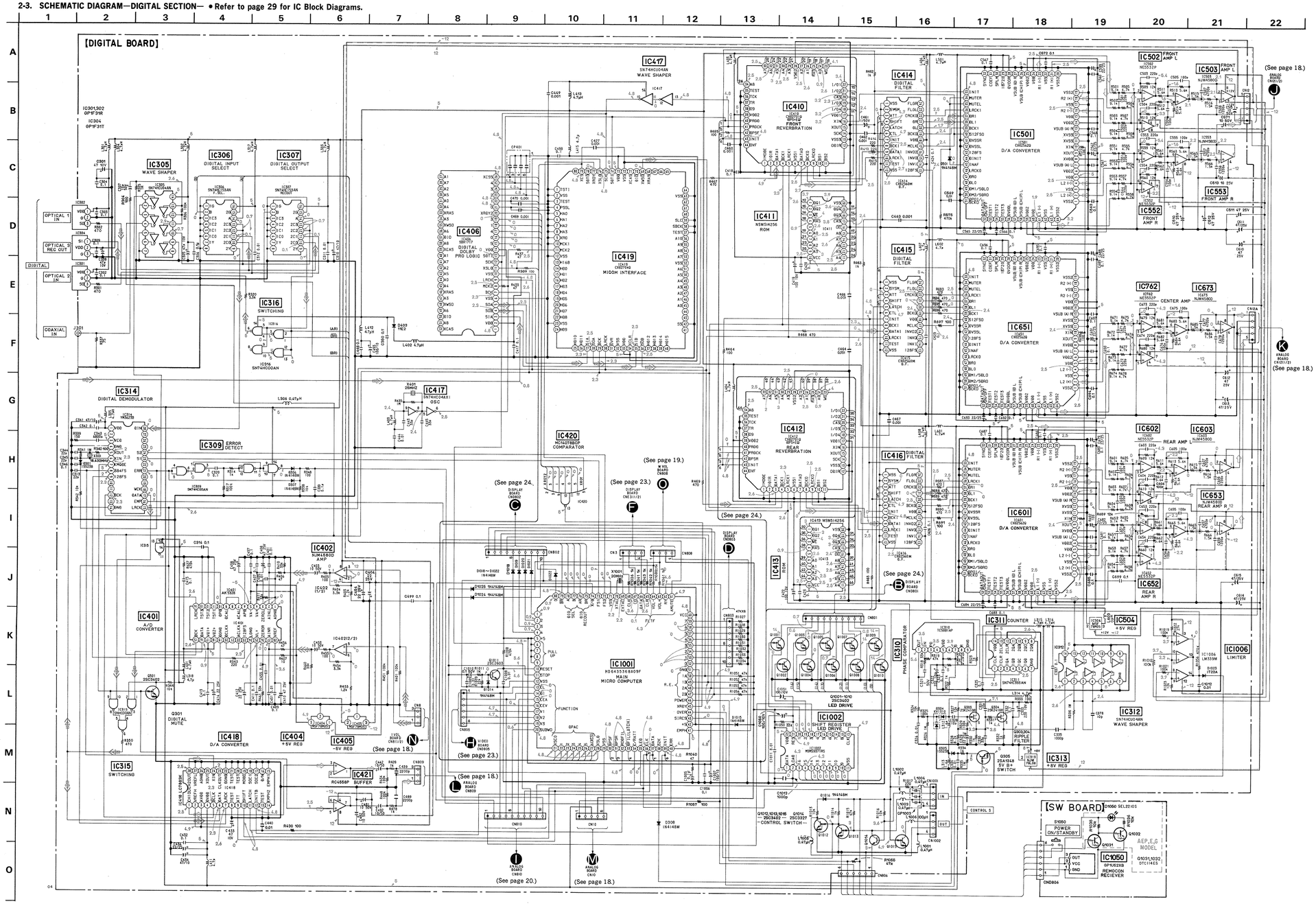
Note:

- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- G : Germany model

2-2. PRINTED WIRING BOARDS—DIGITAL SECTION— ● Refer to page 13 for Semiconductor Lead Layouts.

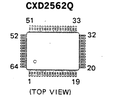


2-3. SCHEMATIC DIAGRAM—DIGITAL SECTION— • Refer to page 29 for IC Block Diagrams.



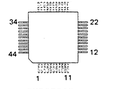
2-4. SEMICONDUCTOR LEAD LAYOUTS

CXD2562Q

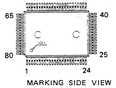


(TOP VIEW)

CXD2701Q



CXD2704Q
LC7883K

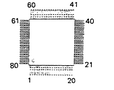


MARKING SIDE VIEW

GP-3F31T

GP-1U52XB

HD6435368RA09F



L78MR05

M5F78M05L
TA7805S
TA7812S

MSC7162

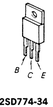
RC78L08A

RC79M05FA
TA7912S

DTA114ES
DTC114ES
DTC143TS
2SC2603-EF
2SC3327-B

2SA1175-HFE
letter side

2SB1094-LK
2SD1585-LK



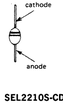
2SD774-34

2SK241-GR

HZS24-1L
HZS30-2L
UZP-8.2B
1SS120
1SS168
11ES2

KV1310

U05G



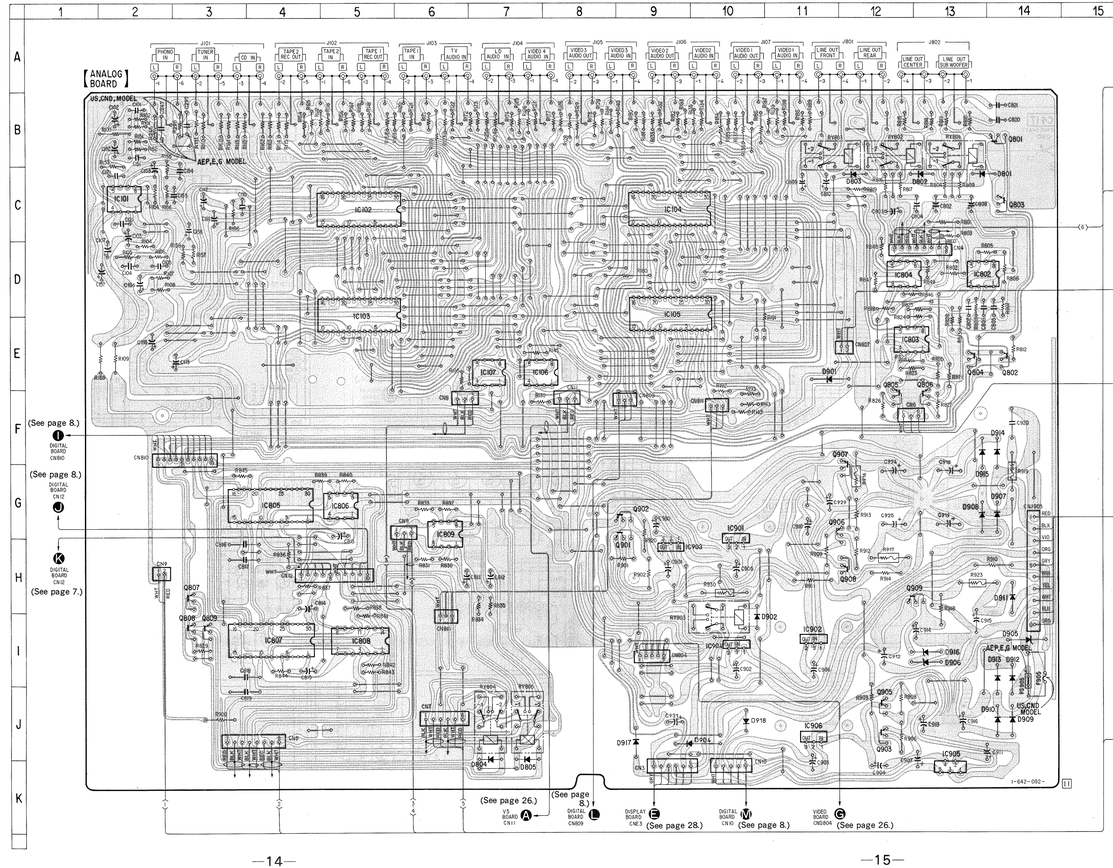
SEL2210S-CD
SEL2810A-C

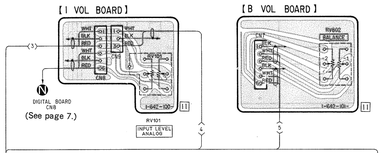
● Semiconductor Location

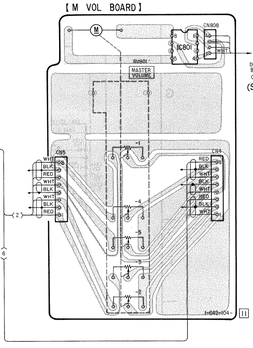
Ref. No.	Location
D801	C-13
D802	C-13
D803	C-12
D804	K-7
D805	K-7
D901	E-11
D902	I-10
D904	I-9
D905	I-14
D906	I-13
D907	G-14
D908	G-13
D909	J-14
D910	J-14
D911	H-14
D912	I-14
D913	I-14
D914	F-14
D915	F-13
D916	I-13
D917	J-9
D918	J-10
D1051	J-17
IC101	C-2
IC102	C-5
IC103	D-5
IC104	C-9
IC105	D-9
IC106	E-7
IC107	E-7
IC801	A-23
IC802	D-13
IC803	E-12
IC804	D-12
IC805	G-4
IC806	G-5
IC807	I-4
IC808	I-5
IC809	G-6
IC901	H-10
IC902	I-11
IC903	H-9
IC904	I-10
IC905	K-13
IC906	J-11
Q801	B-14
Q802	E-14
Q803	C-14
Q804	E-13
Q805	F-12
Q806	F-13
Q807	H-3
Q808	I-3
Q809	I-3
Q901	G-9
Q902	G-9
Q903	J-12
Q905	J-12
Q906	G-12
Q907	G-12
Q908	H-12
Q909	H-13

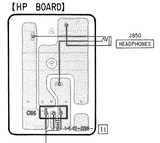
Note:
- ○—— : parts extracted from the component side.
- CND : Canadian model
- G : Germany model

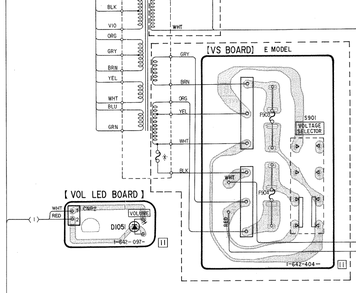
2-5. PRINTED WIRING BOARDS—ANALOG SECTION—

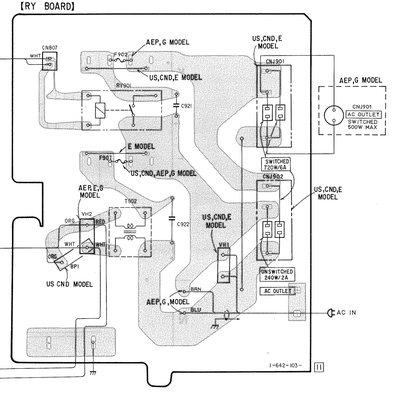


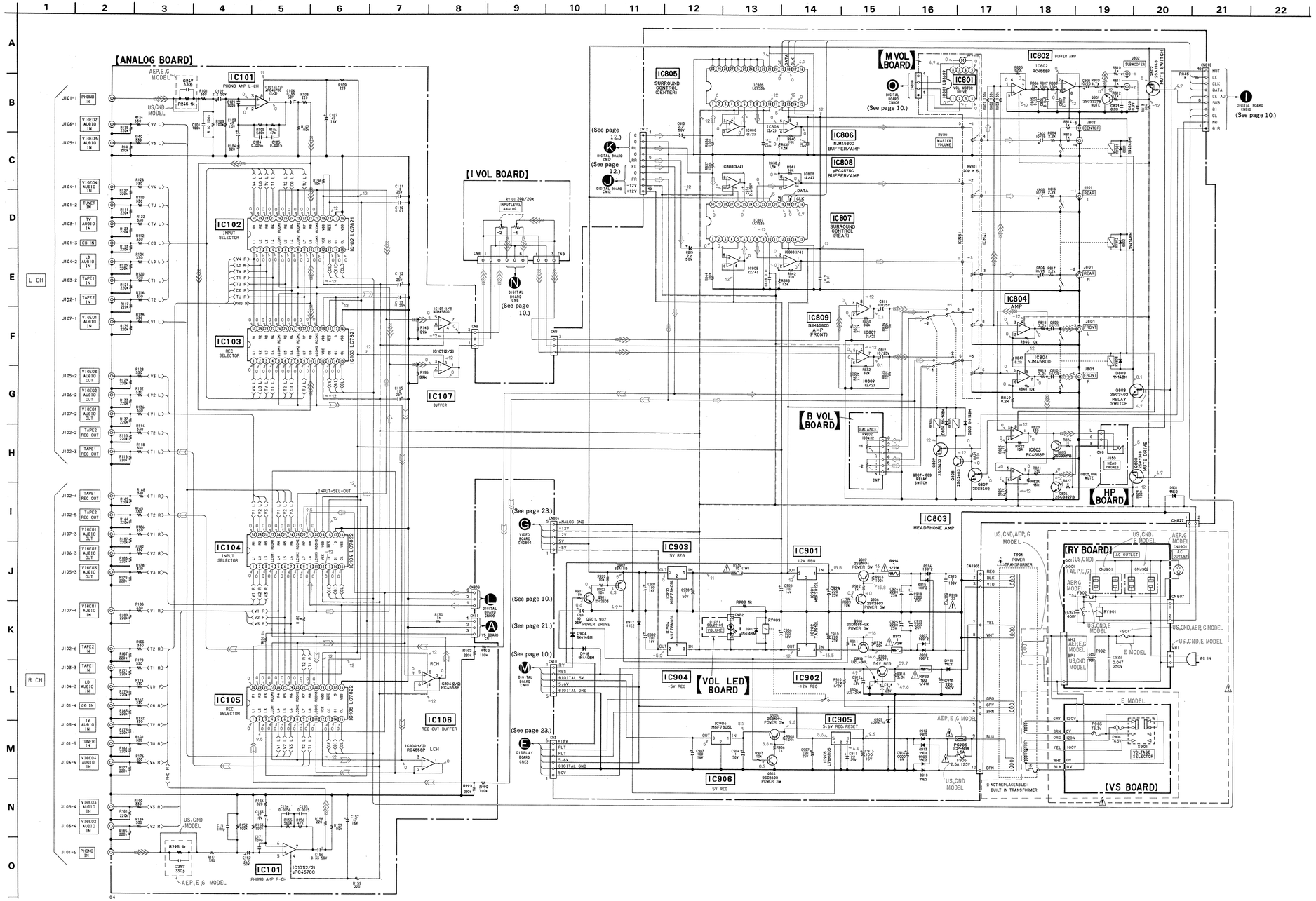










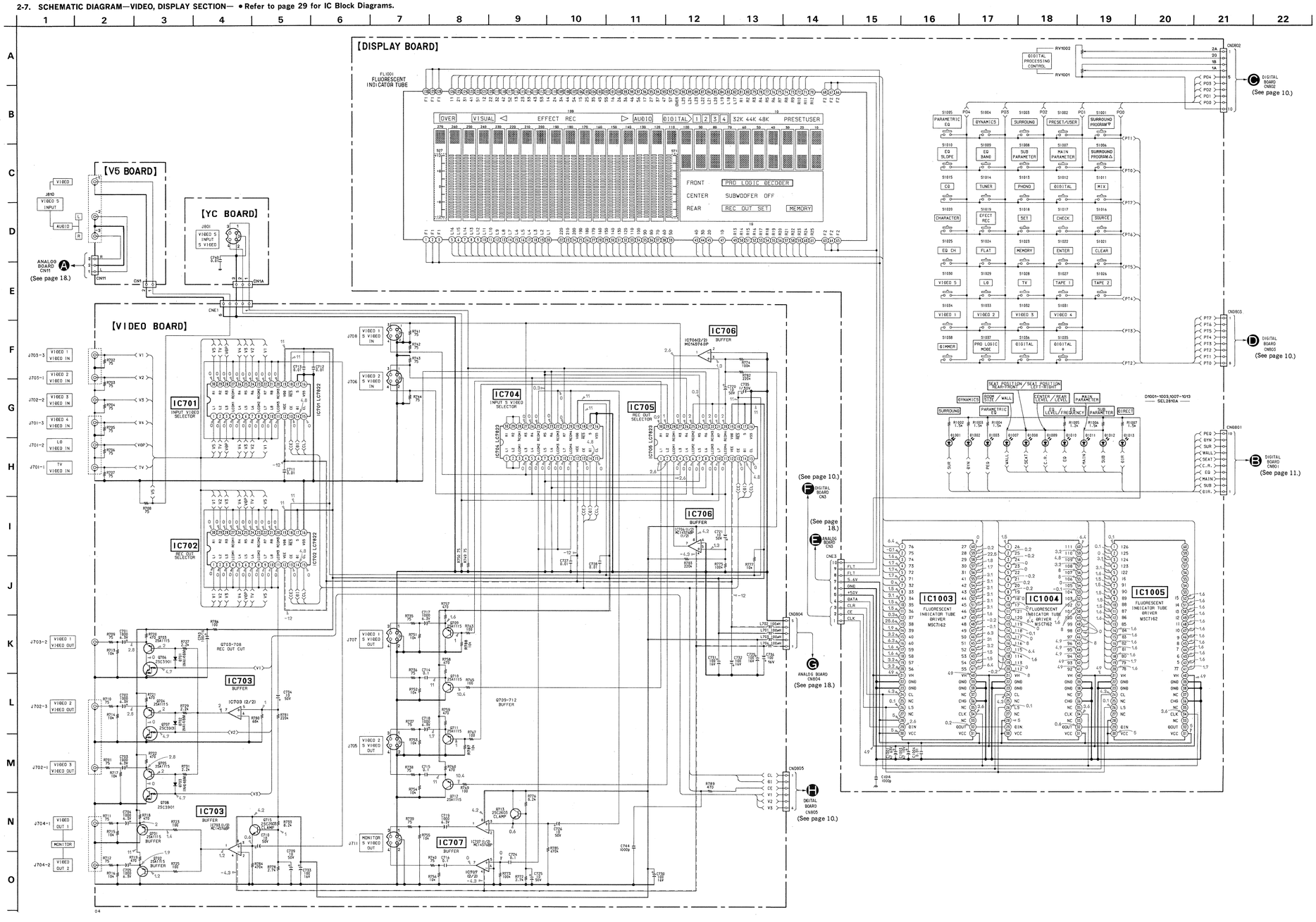


Note:
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ⚠ : fusible resistor.

Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

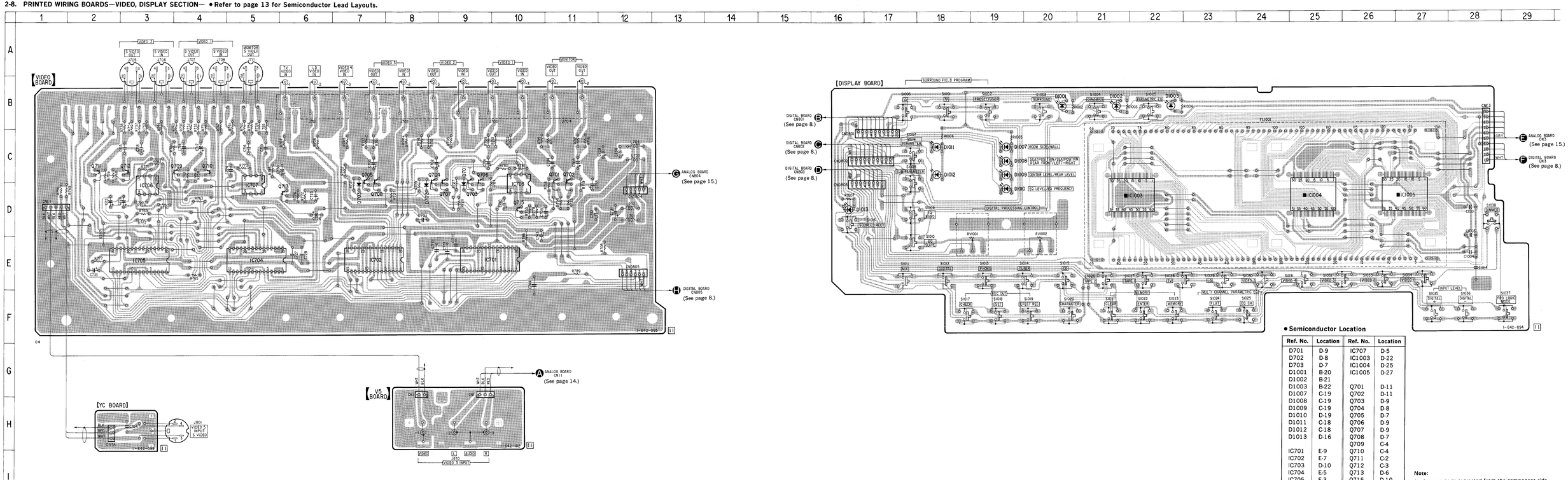
- e ═══ : B+ Line
- e ═══ : B− Line
- Voltage is dc with respect to ground under no-signal conditions. no mark : PHONO
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - ⇨ : analog signal
  - ⇨ : REC
  - ⇨ : PHONO
- CND : Canadian model
- G : Germany model

2-7. SCHEMATIC DIAGRAM—VIDEO, DISPLAY SECTION— • Refer to page 29 for IC Block Diagrams.



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ⏚ : B+ Line
- ⏚ : B− Line
- Voltage is dc with respect to ground under no-signal conditions. no mark : PHONO
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.


【VIDEO BOARD】
【YC BOARD】
【Y5 BOARD】
【DISPLAY BOARD】
ANALOG BOARD CN804 (See page 15.)
DIGITAL BOARD CN805 (See page 8.)
ANALOG BOARD CN11 (See page 14.)
DIGITAL BOARD CN801 (See page 8.)
DIGITAL BOARD CN802 (See page 8.)
DIGITAL BOARD CN803 (See page 8.)
ANALOG BOARD CN3 (See page 15.)
DIGITAL BOARD CN3 (See page 8.)
SURROUND FIELD PROGRAM
DIGITAL PROCESSING CONTROL
MULTI CONTROL PARAMETER
INPUT LEVEL
VIDEO 5 INPUT

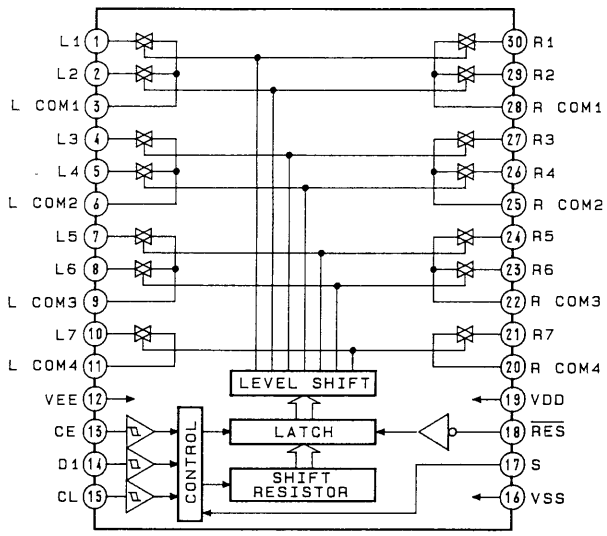
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D701	D-9	IC707	D-5
D702	D-8	IC1003	D-22
D703	D-7	IC1004	D-25
D1001	B-20	IC1005	D-27
D1002	B-21		
D1003	B-22	Q701	D-11
D1007	C-19	Q702	D-11
D1008	C-19	Q703	D-9
D1009	C-19	Q704	D-8
D1010	D-19	Q705	D-7
D1011	C-18	Q706	D-9
D1012	C-18	Q707	D-9
D1013	D-16	Q708	D-7
		Q709	C-4
IC701	E-9	Q710	C-4
IC702	E-7	Q711	C-2
IC703	D-10	Q712	C-3
IC704	E-5	Q713	D-6
IC705	E-3	Q715	D-10
IC706	D-3		

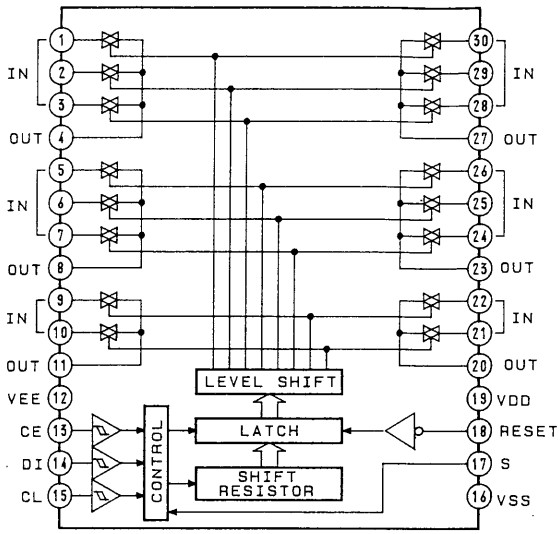
Note:
- ◇—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.

• IC Block Diagrams

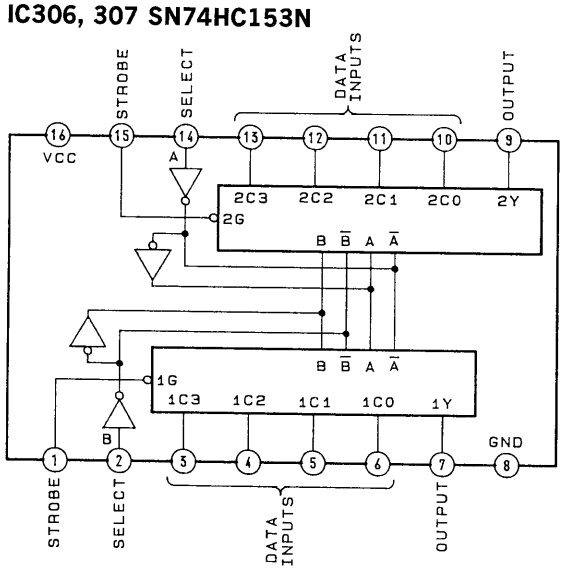
IC102, 103 LC7821



IC104, 105, 701, 702 LC7822

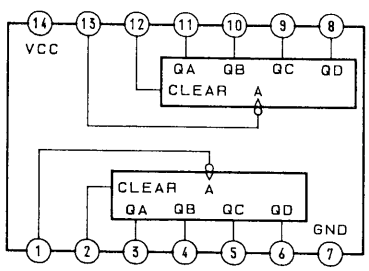


IC306, 307 SN74HC153N

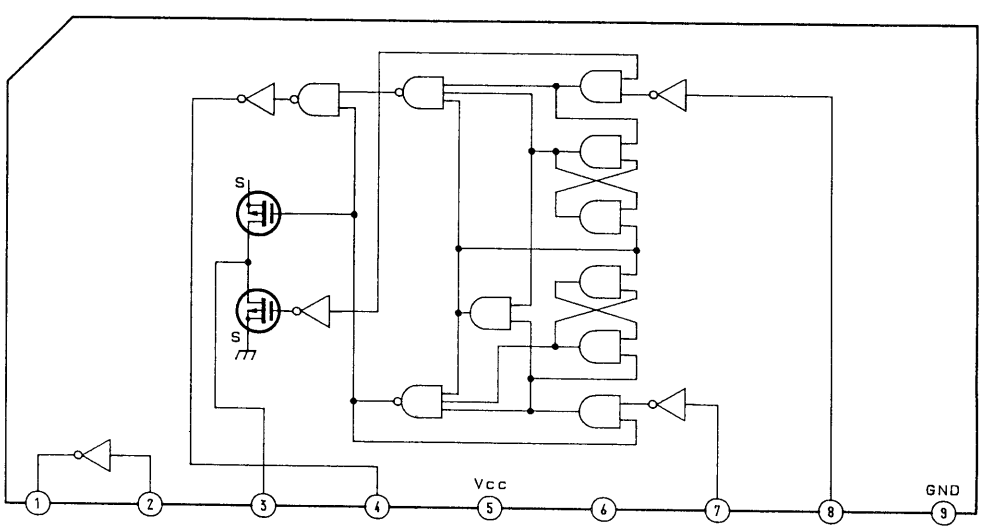


INPUTS			OUTPUT
G	A	B	Y
H	X	X	L
L	L	L	C0
L	L	H	C1
L	H	L	C2
L	H	H	C3

IC311 SN74HC393N

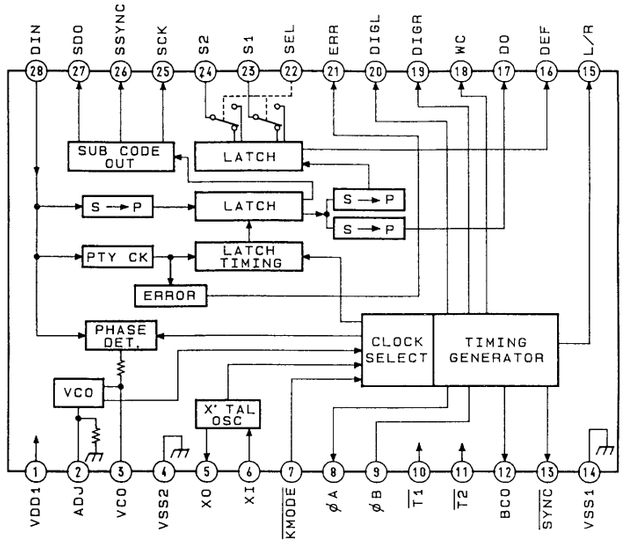


IC310 TC5081AP

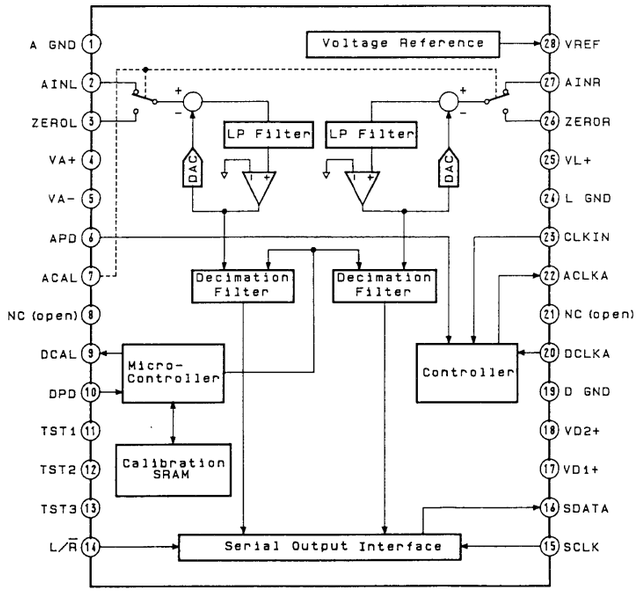


TA-E2000ESD

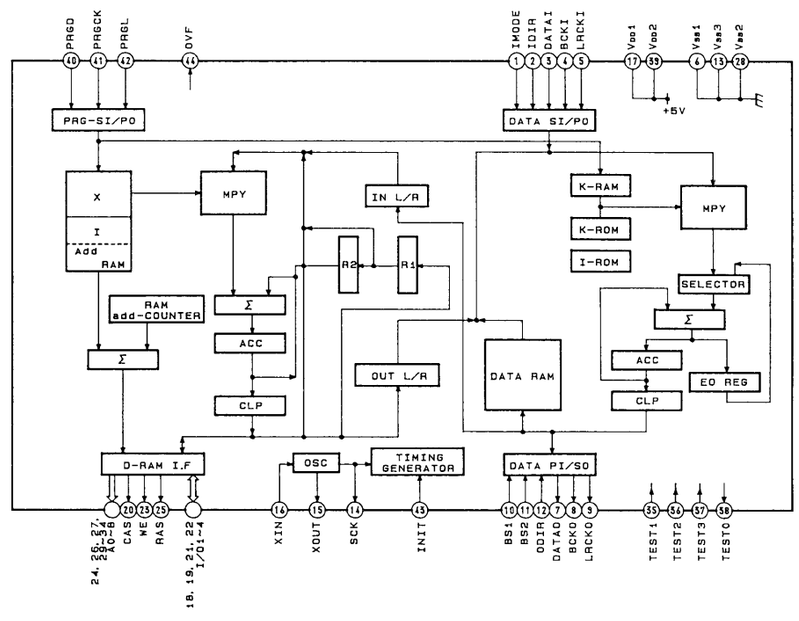
IC314 YM3623B



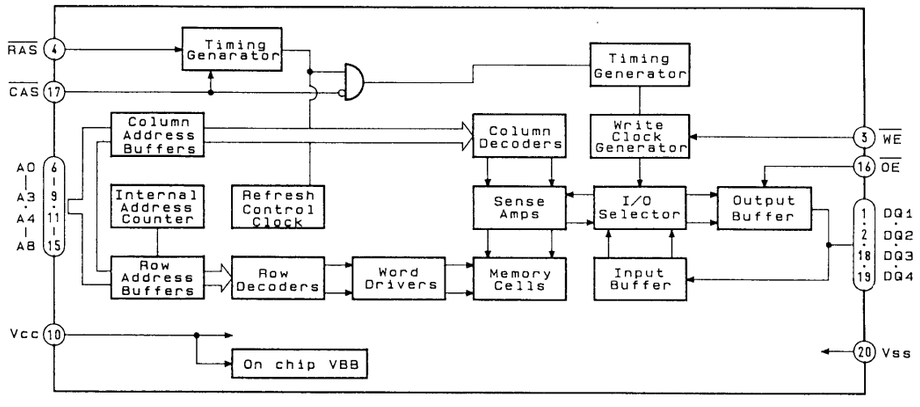
IC401 AK5328



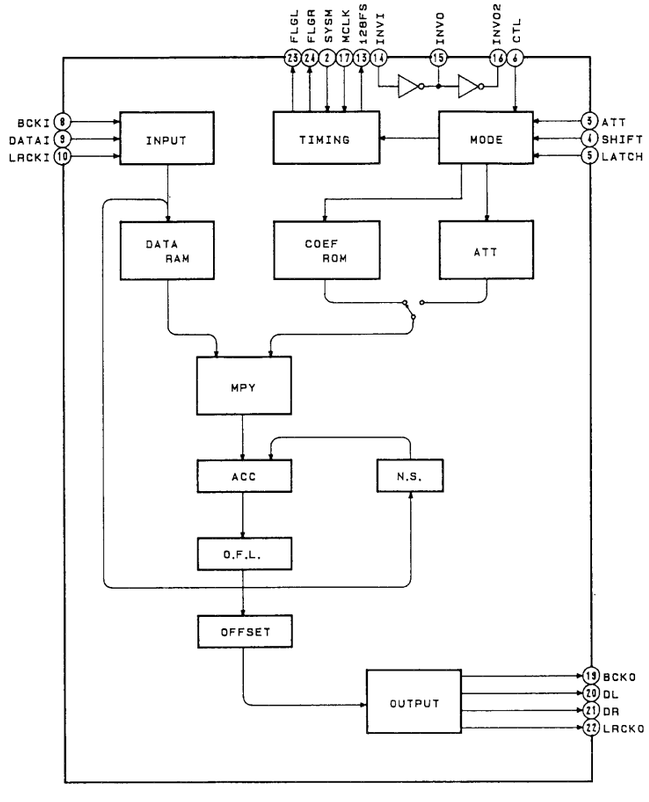
IC410, 412 CXD2701Q



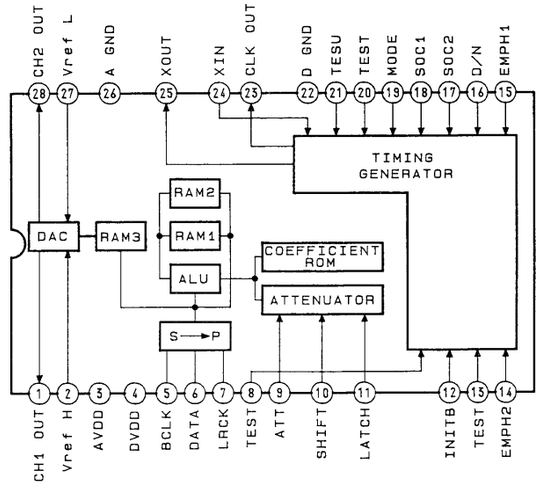
IC411, 413 MSM514256



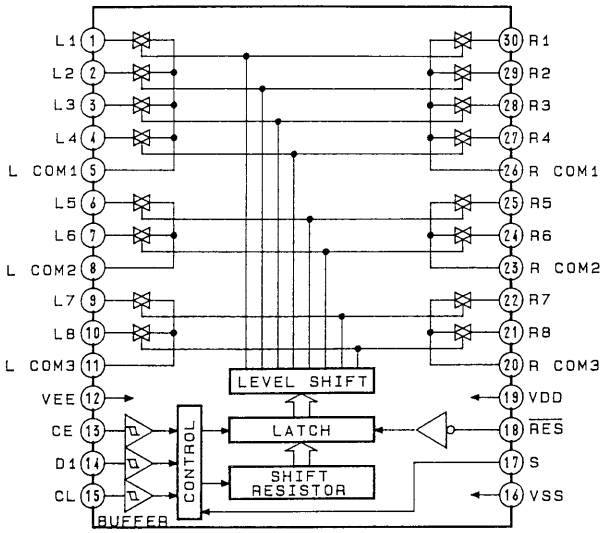
IC414, 415, 416 CXD2560M



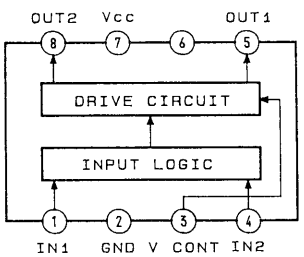
IC418 LC7883K



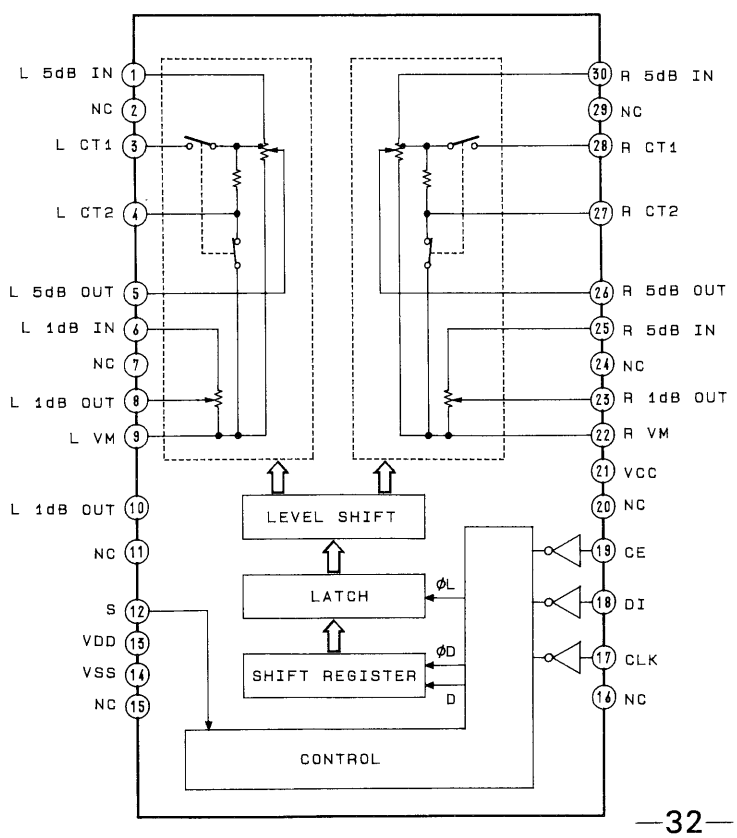
IC704, 705 LC7823



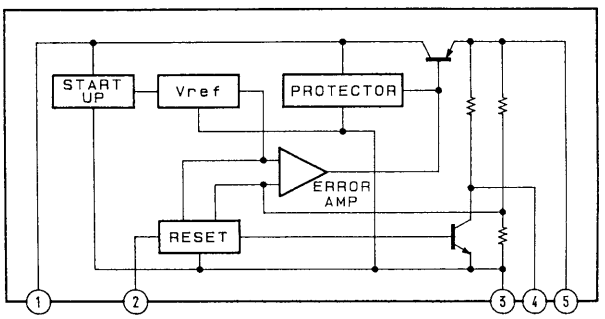
IC801 LB1639



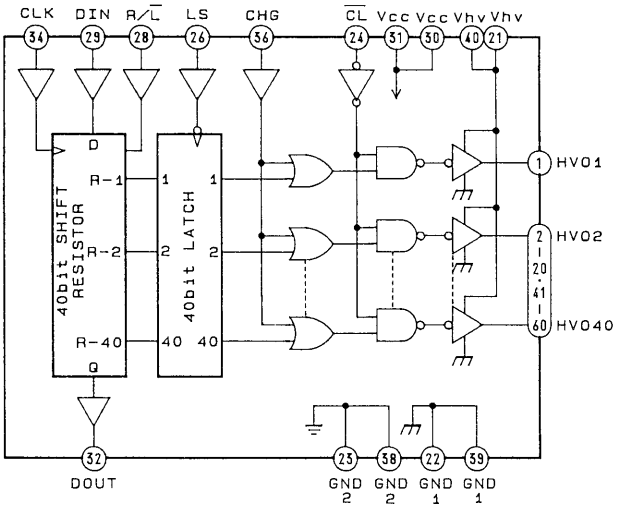
IC805, 807 LC7536



IC905 L78MR05



IC1003, 1004, 1005 MSC7162



SECTION 3
EXPLODED VIEWS

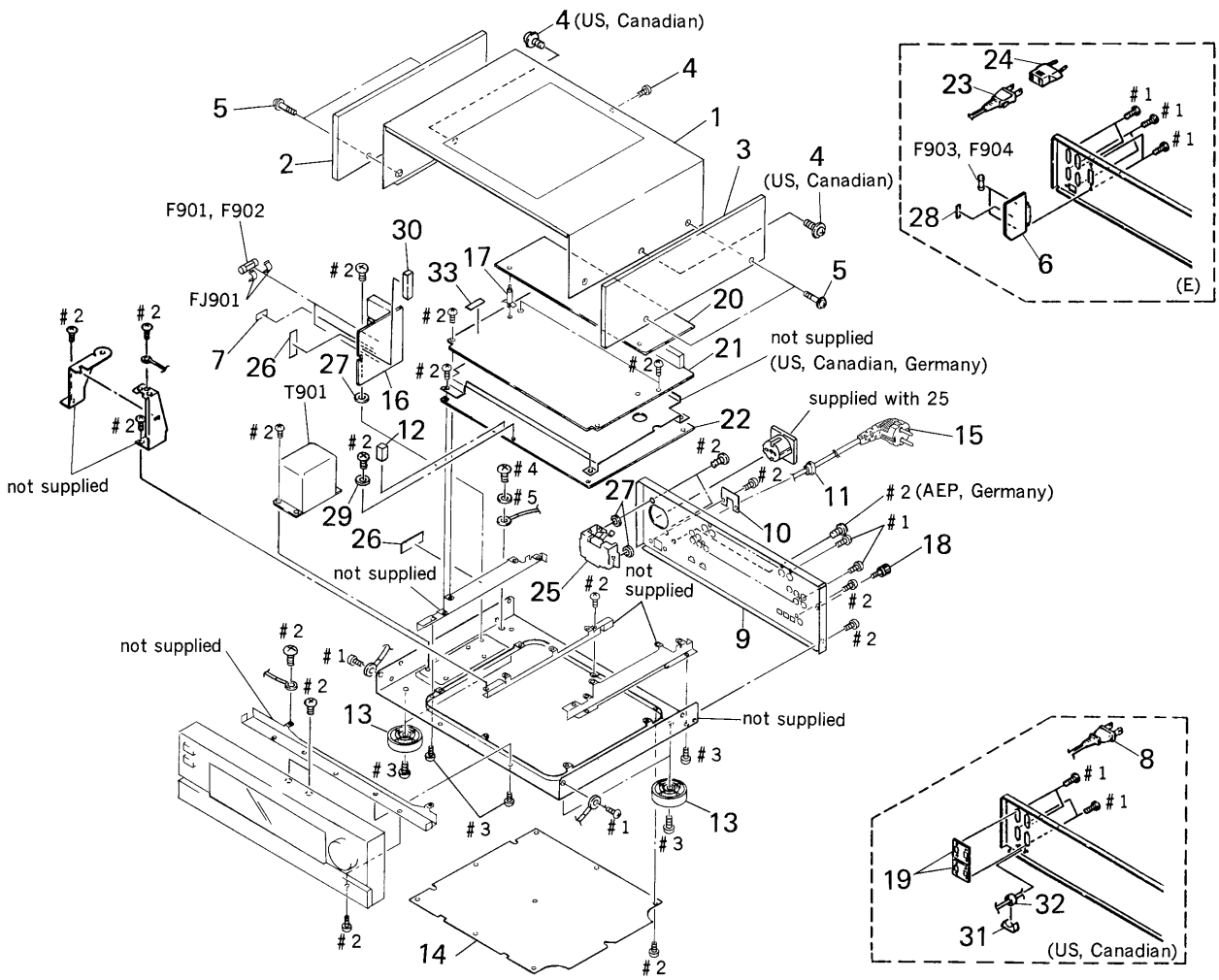
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE)... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

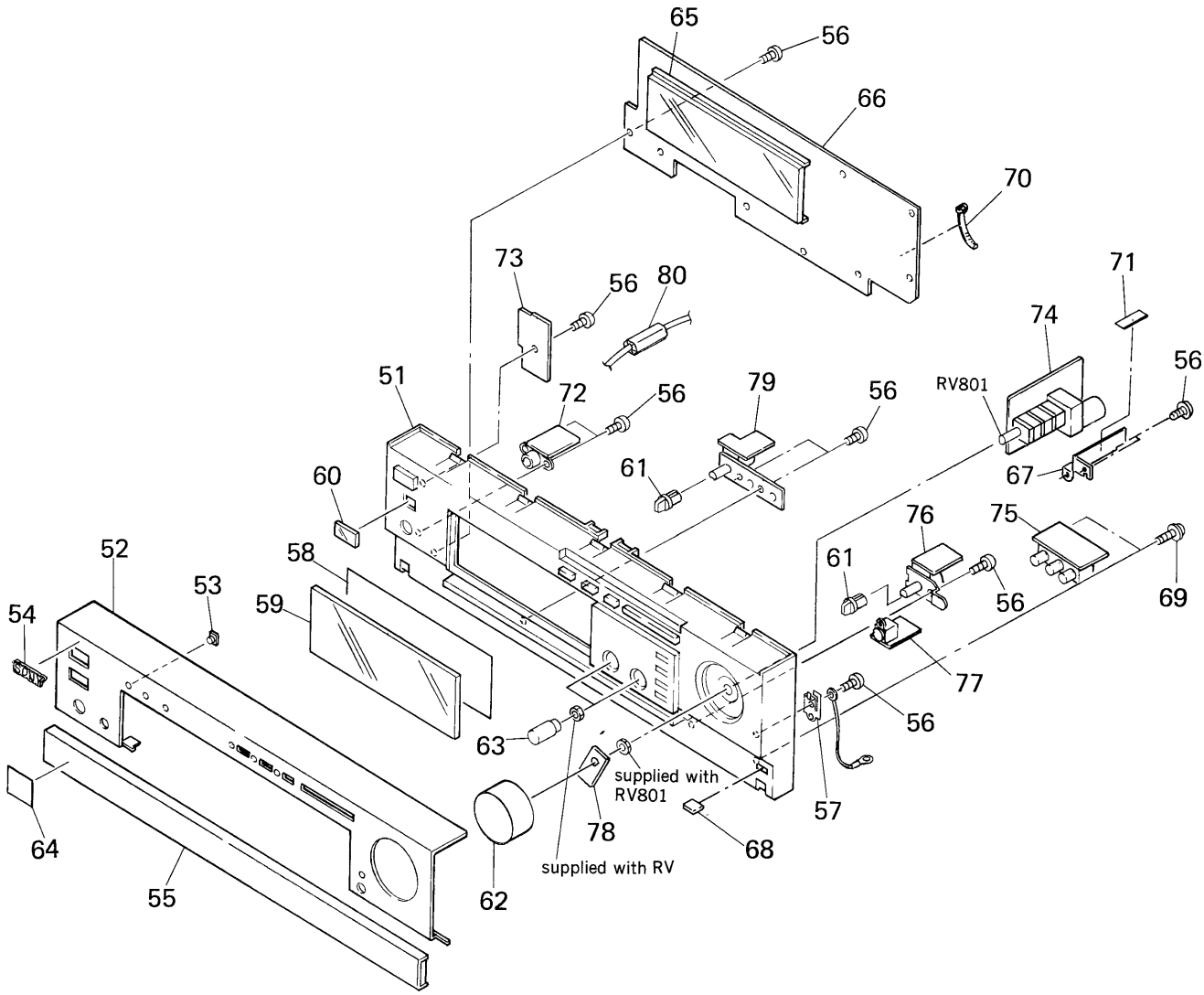
· G : Germany model

3-1. CHASSIS, MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
* 1	4-949-489-01	CASE (US, Canadian)	
* 1	4-949-489-11	CASE (AEP, G, E)	
2	X-4933-401-1	PANEL (LEFT) ASSY, SIDE (EXCEPT G)	
2	X-4933-407-1	PANEL (LEFT) ASSY, SIDE (G)	
3	X-4933-402-1	PANEL (RIGHT) ASSY, SIDE (EXCEPT G)	
3	X-4933-408-1	PANEL (RIGHT) ASSY, SIDE (G)	
4	3-704-366-31	SCREW (CASE) (M3X6)	
5	4-933-446-01	SCREW (SIDE PANEL)	
* 6	1-642-404-11	V.S. BOARD (E)	
7	3-701-946-30	LABEL (1A125V), FUSE (US, Canadian)	
* 7	4-949-520-07	LABEL (B) (T.L), FUSE RATING (AEP, G)	
⚠8	1-559-479-11	CORD, POWER (US, Canadian)	
* 9	4-933-413-52	PANEL, BACK (US, Canadian)	
* 9	4-933-413-71	PANEL, BACK (AEP, G)	
* 9	4-933-413-82	PANEL, BACK (E)	
* 10	4-923-873-01	BRACKET, CORD STOPPER	
11	2-352-626-01	BUSHING, CORD (AEP, G)	
11	4-916-783-01	BUSHING, CORD (US, Canadian, E)	
12	4-926-318-01	CUSHION (A)	
13	X-3304-944-1	FOOT ASSY	
* 14	4-908-036-11	PLATE, BOTTOM	
⚠15	1-551-238-00	CORD, POWER 3 CORE (AEP, G)	
* 16	1-642-103-11	RY BOARD	
* 17	4-924-098-81	HOLDER, PC BOARD	
* 18	4-941-033-01	SCREW, FIXED, FEEDER	
* 19	4-931-038-01	SPACER (2 GANG) (US, Canadian)	
* 20	A-4347-548-A	VIDEO BOARD, COMPLETE	
* 21	A-4345-684-A	ANALOG BOARD, COMPLETE (US, Canadian)	
* 21	A-4347-684-A	ANALOG BOARD, COMPLETE (AEP, G, E)	
* 22	A-4347-549-A	DIGITAL BOARD, COMPLETE	
⚠23	1-559-297-31	CODE, POWER (E)	
24	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
⚠25	1-526-988-11	OUTLET, AC (CEE) (AEP, G)	
* 26	3-703-044-26	LABEL, CAUTION (US, Canadian)	
27	4-309-378-00	WASHER (AEP, G)	
28	3-701-947-09	LABEL (T630MA), FUSE (E)	
29	4-945-833-11	WASHER (DIA. 14) (AEP, G)	
30	4-953-740-01	CUSHION (AEP, G)	
31	1-543-619-41	CORE, RING (US, Canadian, G)	
32	1-543-824-11	CORE, TROIDAL (US, Canadian, G)	
* 33	3-701-946-24	LABEL (2.5A125V), FUSE (US, Canadian)	
⚠F901	1-532-613-XX	FUSE, TIME-LAG (250V 0.2A) (AEP, G)	
⚠F901	1-532-740-11	FUSE, GLASS TUBE (US, Canadian)	
⚠F902	1-532-299-00	FUSE, TIME-LAG (T5A) (AEP, G)	
⚠F903	1-532-284-00	FUSE, TIME-LAG (T6.3A) (E)	
⚠F904	1-532-284-00	FUSE, TIME-LAG (T6.3A) (E)	
⚠FJ901	1-533-189-11	HOLDER, FUSE	
⚠T901	1-449-835-11	TRANSFORMER, POWER (US, Canadian)	
⚠T901	1-449-881-11	TRANSFORMER, POWER (AEP, G)	
⚠T901	1-449-883-11	TRANSFORMER, POWER (E)	

3-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-4942-246-1	PANEL (B) ASSY (AEP, E)	
51	X-4942-833-1	PANEL (B) ASSY (US, Canadian, G)	
52	4-949-486-01	PANEL, FRONT	
53	4-884-612-11	INDICATOR, EJECT (US, Canadian, AEP, G)	
54	4-908-884-01	EMBLEM, SONY	
55	A-4325-248-A	LID ASSY (E)	
55	A-4325-576-A	LID ASSY (US, Canadian)	
55	A-4325-651-A	LID ASSY (AEP, G)	
56	4-951-620-01	SCREW (2.6X8), +BVTP	
* 57	4-950-053-01	PLATE, GROUND	
58	4-933-401-01	FILTER (W)	
59	4-949-487-01	WINDOW, TRANSPARENT	
60	4-933-412-01	FILTER (R) (US, Canadian)	
60	4-933-412-11	FILTER (R) (AEP, G, E)	
61	4-921-921-01	KNOB (M)	
62	X-4942-104-1	KNOB (DIA. 55) ASSY	
63	4-949-519-01	KNOB (DIA. 13)	
* 64	3-703-713-41	STICKER, SONY SYMBOL (10) (US, Canadian, E)	

Ref. No.	Part No.	Description	Remark
* 65	4-933-419-01	HOLDER (FL)	
* 66	A-4345-695-A	DISPLAY BOARD, COMPLETE	
* 67	4-949-524-01	BRACKET (MV)	
68	1-452-419-21	MAGNET	
* 69	4-917-583-21	BRACKET, YOKE	
70	3-655-653-21	BAND (TAITON), BINDING	
71	4-952-135-01	SHEET, ADHESIVE	
* 72	1-642-098-11	H.P. BOARD	
* 73	1-642-096-11	SW BOARD	
* 74	1-642-104-11	M VOL BOARD	
* 75	1-642-102-11	V5 BOARD	
* 76	1-642-101-11	B VOL BOARD	
* 77	1-642-099-11	YC BOARD	
* 78	1-642-097-11	VOL LED BOARD	
* 79	1-642-100-11	I VOL BOARD	
80	1-543-786-11	CLAMP, SLEEVE FERRITE (US, Canadian, G)	
RV801	1-241-254-21	RES, VAR, CARBON 20KX5 (MASTER VOLUME)	

ANALOG

SECTION 4
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA . . : μA. . uPA. . : μPA. .
  uPB. . : μPB. . uPC. . : μPC. . uPD. . : μPD. .
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

・G : Germany model

Ref. No.	Part No.	Description			Remark
*	A-4347-684-A	ANALOG BOARD, COMPLETE (AEP, G, E)			
*	A-4345-684-A	ANALOG BOARD, COMPLETE (US, Canadian)			
		**********			
		< CAPACITOR >			
C101	1-110-335-11	MYLAR	100PF	5%	50V
C102	1-123-381-00	ELECT	2. 2uF	20%	100V
C103	1-126-022-11	ELECT	47uF	20%	10V
C104	1-130-480-00	MYLAR	0. 0056uF	5%	50V
C105	1-130-473-00	MYLAR	0. 0015uF	5%	50V
C106	1-124-252-00	ELECT	0. 33uF	20%	50V
C107	1-126-022-11	ELECT	47uF	20%	16V
C110	1-136-153-00	FILM	0. 01uF	5%	50V
C111	1-126-059-11	ELECT	10uF	20%	25V
C112	1-126-059-11	ELECT	10uF	20%	25V
C113	1-126-059-11	ELECT	10uF	20%	25V
C115	1-126-059-11	ELECT	10uF	20%	25V
C121	1-110-335-11	MYLAR	100PF	5%	50V
C151	1-110-335-11	MYLAR	100PF	5%	50V
C152	1-123-381-00	ELECT	2. 2uF	20%	100V
C153	1-126-022-11	ELECT	47uF	20%	10V
C154	1-130-480-00	MYLAR	0. 0056uF	5%	50V
C155	1-130-473-00	MYLAR	0. 0015uF	5%	50V
C156	1-124-252-00	ELECT	0. 33uF	20%	50V
C157	1-126-022-11	ELECT	47uF	20%	16V
C171	1-110-335-11	MYLAR	100PF	5%	50V
C247	1-162-288-31	CERAMIC (AEP, G, E)	330PF	10%	50V
C297	1-162-288-31	CERAMIC (AEP, G, E)	330PF	10%	50V
C802	1-126-059-11	ELECT	10uF	20%	25V
C803	1-126-059-11	ELECT	10uF	20%	25V
C804	1-126-059-11	ELECT	10uF	20%	25V
C805	1-136-171-00	FILM	0. 33uF	5%	50V
C806	1-136-163-00	FILM	0. 068uF	5%	50V
C807	1-130-476-00	MYLAR	0. 0027uF	5%	50V
C808	1-126-059-11	ELECT	10uF	20%	25V
C809	1-126-059-11	ELECT	10uF	20%	25V
C810	1-126-059-11	ELECT	10uF	20%	25V
C811	1-126-059-11	ELECT	10uF	20%	25V
C812	1-126-059-11	ELECT	10uF	20%	25V
C813	1-123-381-00	ELECT	2. 2uF	20%	100V
C814	1-123-381-00	ELECT	2. 2uF	20%	100V
C815	1-123-381-00	ELECT	2. 2uF	20%	100V
C816	1-162-306-11	CERAMIC	0. 01uF	20%	16V
C817	1-162-306-11	CERAMIC	0. 01uF	20%	16V
C818	1-162-306-11	CERAMIC	0. 01uF	20%	16V
C819	1-162-306-11	CERAMIC	0. 01uF	20%	16V
C820	1-136-171-00	FILM	0. 33uF	5%	50V
C821	1-136-171-00	FILM	0. 33uF	5%	50V
C901	1-126-023-11	ELECT	100uF	20%	16V
C902	1-126-023-11	ELECT	100uF	20%	16V
C903	1-126-023-11	ELECT	100uF	20%	16V
C904	1-126-044-11	ELECT	1uF	20%	50V
C905	1-126-023-11	ELECT	100uF	20%	16V
C906	1-126-023-11	ELECT	100uF	20%	16V
C907	1-126-023-11	ELECT	100uF	20%	25V
C910	1-126-024-11	ELECT	220uF	20%	25V
C911	1-126-049-11	ELECT	22uF	20%	25V
C912	1-124-918-11	ELECT	47uF	20%	63V
C913	1-126-023-11	ELECT	100uF	20%	16V
C914	1-124-918-11	ELECT	47uF	20%	63V
C915	1-124-628-11	ELECT	220uF	20%	100V
C916	1-126-939-11	ELECT	10000uF	20%	16V
C918	1-126-028-81	ELECT	2200uF	20%	25V
C919	1-126-028-81	ELECT	2200uF	20%	25V
C920	1-130-789-00	FILM	1uF	5%	100V
C924	1-126-028-81	ELECT	2200uF	20%	25V
C925	1-126-028-81	ELECT	2200uF	20%	25V
C929	1-126-024-11	ELECT	220uF	20%	25V
C930	1-126-044-11	ELECT	1uF	20%	50V
C931	1-126-059-11	ELECT	10uF	20%	25V
		< CONNECTOR >			
* CN3	1-564-509-11	PLUG, CONNECTOR 6P			
* CN4	1-564-511-11	PLUG, CONNECTOR 8P			
* CN5	1-564-511-11	PLUG, CONNECTOR 8P			
* CN7	1-564-509-11	PLUG, CONNECTOR 6P			
* CN8	1-564-506-11	PLUG, CONNECTOR 3P			

Ref. No.	Part No.	Description	Remark
* CN9	1-564-506-11	PLUG, CONNECTOR 3P	
* CN10	1-564-508-11	PLUG, CONNECTOR 5P	
* CN11	1-564-506-11	PLUG, CONNECTOR 3P	
* CN12	1-564-513-11	PLUG, CONNECTOR 10P	
* CN809	1-564-337-00	PIN, CONNECTOR 3P	
* CN810	1-564-666-11	PIN, CONNECTOR 10P	
* CNJ903	1-506-599-11	PIN, CONNECTOR (B10P-VH) 10P	
* CNP2	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P	
		< DIODE >	
D801	8-719-987-63	DIODE 1N4148M	
D802	8-719-987-63	DIODE 1N4148M	
D803	8-719-987-63	DIODE 1N4148M	
D804	8-719-987-63	DIODE 1N4148M	
D805	8-719-987-63	DIODE 1N4148M	
D901	8-719-200-82	DIODE 11ES2	
D902	8-719-987-63	DIODE 1N4148M	
D904	8-719-987-63	DIODE 1N4148M	
D905	8-719-014-98	DIODE UZP-8.2B	
D906	8-719-934-13	DIODE HZS24-1L	
D907	8-719-911-55	DIODE U05G	
D908	8-719-911-55	DIODE U05G	
D909	8-719-200-82	DIODE 11ES2	
D910	8-719-200-82	DIODE 11ES2	
D911	8-719-200-82	DIODE 11ES2	
D912	8-719-200-82	DIODE 11ES2	
D913	8-719-200-82	DIODE 11ES2	
D914	8-719-911-55	DIODE U05G	
D915	8-719-911-55	DIODE U05G	
D916	8-719-934-22	DIODE HZS30-2L	
D917	8-719-200-82	DIODE 11ES2	
D918	8-719-987-63	DIODE 1N4148M	
		< FUSE >	
⚠F905	1-532-780-21	FUSE, MICRO 2.5A 125V (US, Canadian)	
		< IC >	
IC101	8-759-106-41	IC uPC4570C	
IC102	8-759-805-13	IC LC7821	
IC103	8-759-805-13	IC LC7821	
IC104	8-759-805-14	IC LC7822	
IC105	8-759-805-14	IC LC7822	
IC106	8-759-945-58	IC RC4558P	
IC107	8-759-710-59	IC NJM4580D-D (US, Canadian)	
IC107	8-759-711-35	IC NJM4580D (AEP, G, E)	
IC802	8-759-945-58	IC RC4558P	
IC803	8-759-945-58	IC RC4558P	
IC804	8-759-710-59	IC NJM4580D-D (US, Canadian)	
IC804	8-759-711-35	IC NJM4580D (AEP, G, E)	
IC805	8-759-824-12	IC LC7536	
IC806	8-759-710-59	IC NJM4580D-D (US, Canadian)	
IC806	8-759-711-35	IC NJM4580D (AEP, G, E)	
IC807	8-759-824-12	IC LC7536	
IC808	8-759-113-18	IC uPC4574C	
IC809	8-759-710-59	IC NJM4580D-D (US, Canadian)	
IC809	8-759-711-35	IC NJM4580D (AEP, G, E)	
IC901	8-759-231-58	IC M5F7812L	
IC902	8-759-245-86	IC TA7912S	
IC903	8-759-604-35	IC M5F78M05	
IC904	8-759-982-52	IC RC79M05FA	
IC905	8-759-820-84	IC L78MR05	
IC906	8-759-231-53	IC M5F7805	
		< JACK >	
* J101	1-691-260-21	JACK, PIN 6P (PHONO/TUNER/CD IN)	
* J102	1-691-260-21	JACK, PIN 6P (TAPE 2 IN, TAPE 1/TAPE 2 REC OUT)	
* J103	1-573-520-31	JACK, PIN 4P (TV AUDIO/TAPE 1 IN)	
* J104	1-573-520-31	JACK, PIN 4P (VIDEO 4 AUDIO/LD AUDIO IN)	
* J105	1-573-520-31	JACK, PIN 4P (VIDEO 3 AUDIO IN/OUT)	
* J106	1-573-520-31	JACK, PIN 4P (VIDEO 2 AUDIO IN/OUT)	
* J107	1-573-520-31	JACK, PIN 4P (VIDEO 1 AUDIO IN/OUT)	
* J801	1-573-520-31	JACK, PIN 4P (FRONT, REAR)	
* J802	1-573-520-21	JACK, PIN 4P (SUB WOOFER, CENTER)	
		< IC LINK >	
⚠PS905	1-532-675-00	LINK, IC 1.5A (AEP, G, E)	
		< TRANSISTOR >	
Q801	8-729-203-49	TRANSISTOR 2SC3327-B	
Q802	8-729-900-61	TRANSISTOR DTA114ES	
Q803	8-729-900-80	TRANSISTOR DTC114ES	
Q804	8-729-900-61	TRANSISTOR DTA114ES	
Q805	8-729-203-49	TRANSISTOR 2SC3327-B	
Q806	8-729-203-49	TRANSISTOR 2SC3327-B	
Q807	8-729-900-80	TRANSISTOR DTC114ES	
Q808	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q809	8-729-900-80	TRANSISTOR DTC114ES	
Q901	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q902	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q903	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q905	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q906	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q907	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q908	8-729-141-89	TRANSISTOR 2SD1585-K	
Q909	8-729-140-96	TRANSISTOR 2SD774-34	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ANALOG

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R101	1-259-416-11	CARBON	330	5%	1/6W
R102	1-259-476-11	CARBON	100K	5%	1/6W
R103	1-259-476-11	CARBON	100K	5%	1/6W
R104	1-259-426-11	CARBON	820	5%	1/6W
R105	1-259-494-11	CARBON	560K	5%	1/6W
R106	1-259-468-11	CARBON	47K	5%	1/6W
R107	1-259-476-11	CARBON	100K	5%	1/6W
R108	1-259-412-11	CARBON	220	5%	1/6W
R109	1-247-704-11	CARBON	220	5%	1/4W
R110	1-259-416-11	CARBON	330	5%	1/6W
R111	1-259-484-11	CARBON	220K	5%	1/6W
R112	1-259-416-11	CARBON	330	5%	1/6W
R113	1-259-484-11	CARBON	220K	5%	1/6W
R114	1-259-416-11	CARBON	330	5%	1/6W
R115	1-259-484-11	CARBON	220K	5%	1/6W
R116	1-259-416-11	CARBON	330	5%	1/6W
R117	1-259-484-11	CARBON	220K	5%	1/6W
R118	1-259-416-11	CARBON	330	5%	1/6W
R119	1-259-484-11	CARBON	220K	5%	1/6W
R120	1-259-416-11	CARBON	330	5%	1/6W
R121	1-259-484-11	CARBON	220K	5%	1/6W
R122	1-259-416-11	CARBON	330	5%	1/6W
R123	1-259-484-11	CARBON	220K	5%	1/6W
R124	1-259-416-11	CARBON	330	5%	1/6W
R125	1-259-484-11	CARBON	220K	5%	1/6W
R126	1-259-416-11	CARBON	330	5%	1/6W
R127	1-259-484-11	CARBON	220K	5%	1/6W
R128	1-259-416-11	CARBON	330	5%	1/6W
R129	1-259-484-11	CARBON	220K	5%	1/6W
R130	1-259-428-11	CARBON	1K	5%	1/6W
R132	1-259-416-11	CARBON	330	5%	1/6W
R133	1-259-484-11	CARBON	220K	5%	1/6W
R134	1-259-416-11	CARBON	330	5%	1/6W
R135	1-259-484-11	CARBON	220K	5%	1/6W
R136	1-259-416-11	CARBON	330	5%	1/6W
R137	1-259-484-11	CARBON	220K	5%	1/6W
R138	1-259-416-11	CARBON	330	5%	1/6W
R139	1-259-484-11	CARBON	220K	5%	1/6W
R140	1-259-416-11	CARBON	330	5%	1/6W
R141	1-259-484-11	CARBON	220K	5%	1/6W
R142	1-259-476-11	CARBON	100K	5%	1/6W
R143	1-259-484-11	CARBON	220K	5%	1/6W
R145	1-259-466-11	CARBON	39K	5%	1/6W
R151	1-259-416-11	CARBON	330	5%	1/6W
R152	1-259-476-11	CARBON	100K	5%	1/6W
R153	1-259-476-11	CARBON	100K	5%	1/6W
R154	1-259-426-11	CARBON	820	5%	1/6W
R155	1-259-494-11	CARBON	560K	5%	1/6W
R156	1-259-468-11	CARBON	47K	5%	1/6W
R157	1-259-476-11	CARBON	100K	5%	1/6W
R158	1-259-412-11	CARBON	220	5%	1/6W
R159	1-247-704-11	CARBON	220	5%	1/4W
R160	1-259-416-11	CARBON	330	5%	1/6W
R161	1-259-484-11	CARBON	220K	5%	1/6W
R162	1-259-416-11	CARBON	330	5%	1/6W
R163	1-259-484-11	CARBON	220K	5%	1/6W
R164	1-259-484-11	CARBON	220K	5%	1/6W
R165	1-259-416-11	CARBON	330	5%	1/6W
R166	1-259-416-11	CARBON	330	5%	1/6W
R167	1-259-484-11	CARBON	220K	5%	1/6W
R168	1-259-416-11	CARBON	330	5%	1/6W
R169	1-259-484-11	CARBON	220K	5%	1/6W
R170	1-259-416-11	CARBON	330	5%	1/6W
R171	1-259-484-11	CARBON	220K	5%	1/6W
R172	1-259-416-11	CARBON	330	5%	1/6W
R173	1-259-484-11	CARBON	220K	5%	1/6W
R174	1-259-416-11	CARBON	330	5%	1/6W
R175	1-259-484-11	CARBON	220K	5%	1/6W
R176	1-259-416-11	CARBON	330	5%	1/6W
R177	1-259-484-11	CARBON	220K	5%	1/6W
R178	1-259-416-11	CARBON	330	5%	1/6W
R179	1-259-484-11	CARBON	220K	5%	1/6W
R180	1-259-428-11	CARBON	1K	5%	1/6W
R181	1-259-484-11	CARBON	220K	5%	1/6W
R182	1-259-416-11	CARBON	330	5%	1/6W
R183	1-259-484-11	CARBON	220K	5%	1/6W
R184	1-259-416-11	CARBON	330	5%	1/6W
R185	1-259-484-11	CARBON	220K	5%	1/6W
R186	1-259-416-11	CARBON	330	5%	1/6W
R187	1-259-484-11	CARBON	220K	5%	1/6W
R188	1-259-416-11	CARBON	330	5%	1/6W
R189	1-259-484-11	CARBON	220K	5%	1/6W
R190	1-259-416-11	CARBON	330	5%	1/6W
R191	1-259-428-11	CARBON	1K	5%	1/6W
R192	1-259-476-11	CARBON	100K	5%	1/6W
R193	1-259-484-11	CARBON	220K	5%	1/6W
R195	1-259-466-11	CARBON	39K	5%	1/6W
R196	1-259-452-11	CARBON	10K	5%	1/6W
R245	1-259-428-11	CARBON (AEP, G, E)	1K	5%	1/6W
R295	1-259-428-11	CARBON (AEP, G, E)	1K	5%	1/6W
R801	1-259-476-11	CARBON	100K	5%	1/6W
R802	1-259-476-11	CARBON	100K	5%	1/6W
R803	1-259-476-11	CARBON	100K	5%	1/6W
R804	1-259-436-11	CARBON	2.2K	5%	1/6W

Ref. No.	Part No.	Description				Remark
R805	1-259-498-11	CARBON	820K	5%	1/6W	
R806	1-259-456-11	CARBON	15K	5%	1/6W	
R807	1-259-480-11	CARBON	150K	5%	1/6W	
R808	1-259-480-11	CARBON	150K	5%	1/6W	
R809	1-259-444-11	CARBON	4.7K	5%	1/6W	
R810	1-259-428-11	CARBON	1K	5%	1/6W	
R811	1-259-428-11	CARBON	1K	5%	1/6W	
R812	1-259-428-11	CARBON	1K	5%	1/6W	
R813	1-259-476-11	CARBON	100K	5%	1/6W	
R814	1-259-428-11	CARBON	1K	5%	1/6W	
R815	1-259-428-11	CARBON	1K	5%	1/6W	
R816	1-259-436-11	CARBON	2.2K	5%	1/6W	
R817	1-259-436-11	CARBON	2.2K	5%	1/6W	
R818	1-259-436-11	CARBON	2.2K	5%	1/6W	
R819	1-259-436-11	CARBON	2.2K	5%	1/6W	
R820	1-259-416-11	CARBON	330	5%	1/6W	
R821	1-259-416-11	CARBON	330	5%	1/6W	
R822	1-259-456-11	CARBON	15K	5%	1/6W	
R823	1-259-438-11	CARBON	2.7K	5%	1/6W	
R824	1-259-456-11	CARBON	15K	5%	1/6W	
R825	1-259-438-11	CARBON	2.7K	5%	1/6W	
R826	1-259-428-11	CARBON	1K	5%	1/6W	
R827	1-259-428-11	CARBON	1K	5%	1/6W	
R828	1-259-476-11	CARBON	100K	5%	1/6W	
R829	1-259-452-11	CARBON	10K	5%	1/6W	
R830	1-259-450-11	CARBON	8.2K	5%	1/6W	
R831	1-259-438-11	CARBON	2.7K	5%	1/6W	
R832	1-259-450-11	CARBON	8.2K	5%	1/6W	
R833	1-259-438-11	CARBON	2.7K	5%	1/6W	
R834	1-259-476-11	CARBON	100K	5%	1/6W	
R835	1-259-476-11	CARBON	100K	5%	1/6W	
R836	1-259-476-11	CARBON	100K	5%	1/6W	
R837	1-259-476-11	CARBON	100K	5%	1/6W	
R838	1-259-432-11	CARBON	1.5K	5%	1/6W	
R839	1-259-432-11	CARBON	1.5K	5%	1/6W	
R840	1-259-452-11	CARBON	10K	5%	1/6W	
R841	1-259-452-11	CARBON	10K	5%	1/6W	
R842	1-259-452-11	CARBON	10K	5%	1/6W	
R843	1-259-432-11	CARBON	1.5K	5%	1/6W	
R844	1-259-476-11	CARBON	100K	5%	1/6W	
R845	1-259-428-11	CARBON	1K	5%	1/6W	
R846	1-259-452-11	CARBON	10K	5%	1/6W	
R847	1-259-450-11	CARBON	8.2K	5%	1/6W	
R848	1-259-452-11	CARBON	10K	5%	1/6W	
R849	1-259-450-11	CARBON	8.2K	5%	1/6W	
R900	1-259-428-11	CARBON	1K	5%	1/6W	
R901	1-259-452-11	CARBON	10K	5%	1/6W	
R902	1-259-452-11	CARBON	10K	5%	1/6W	
R903	1-259-452-11	CARBON	10K	5%	1/6W	

Ref. No.	Part No.	Description				Remark
R906	1-259-428-11	CARBON	1K	5%	1/6W	
R908	1-259-476-11	CARBON	100K	5%	1/6W	
R909	1-259-452-11	CARBON	10K	5%	1/6W	
R910	1-249-489-11	CARBON	22K	5%	1/2W	
R911	1-259-428-11	CARBON	1K	5%	1/6W	
R912	1-259-428-11	CARBON	1K	5%	1/6W	
R913	1-259-476-11	CARBON	100K	5%	1/6W	
R914	1-259-476-11	CARBON	100K	5%	1/6W	
⚠R916	1-212-934-00	FUSIBLE	1	5%	1/2W	F
⚠R917	1-212-934-00	FUSIBLE	1	5%	1/2W	F
R918	1-259-440-11	CARBON	3.3K	5%	1/6W	
⚠R919	1-212-865-00	FUSIBLE	22	5%	1/4W	F
R920	1-259-452-11	CARBON	10K	5%	1/6W	
⚠R923	1-212-881-11	FUSIBLE	100	5%	1/4W	F
⚠R930	1-217-481-00	FUSIBLE	10	5%	1W	F

< RELAY >

RY801	1-515-726-11	RELAY
RY802	1-515-726-11	RELAY
RY803	1-515-726-11	RELAY
RY804	1-515-726-11	RELAY
RY805	1-515-726-11	RELAY
RY903	1-515-726-11	RELAY

****

* 1-642-101-11 B VOL BOARD

****

< CONNECTOR >

* CN4 1-564-511-11 PLUG, CONNECTOR 8P

< VARIABLE RESISTOR >

RV802 1-237-886-11 RES, VAR, CARBON 100K/100K (BALANCE)

****

* A-4347-549-A DIGITAL BOARD, COMPLETE

****

< CAPACITOR >

C301	1-126-022-11	ELECT	47uF	20% 10V
C302	1-164-159-11	CERAMIC	0.1uF	50V
C303	1-164-159-11	CERAMIC	0.1uF	50V
C304	1-164-159-11	CERAMIC	0.1uF	50V
C305	1-126-022-11	ELECT	47uF	20% 10V
C306	1-164-159-11	CERAMIC	0.1uF	50V
C307	1-126-059-11	ELECT	10uF	20% 50V
C308	1-126-022-11	ELECT	47uF	20% 10V
C309	1-164-159-11	CERAMIC	0.1uF	50V
C310	1-126-022-11	ELECT	47uF	20% 10V

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DIGITAL

Ref. No.	Part No.	Description			Remark
C311	1-162-306-11	CERAMIC	0.01uF	20%	16V
C312	1-162-306-11	CERAMIC	0.01uF	20%	16V
C313	1-162-207-31	CERAMIC	22PF	5%	50V
C314	1-164-159-11	CERAMIC	0.1uF		50V
C320	1-136-165-00	FILM	0.1uF	5%	50V
C321	1-124-611-00	ELECT	1uF	20%	50V
C322	1-124-995-11	ELECT	220uF	20%	10V
C323	1-164-159-11	CERAMIC	0.1uF		50V
C325	1-164-159-11	CERAMIC	0.1uF		50V
C326	1-162-306-11	CERAMIC	0.01uF	20%	16V
C328	1-162-199-31	CERAMIC	10PF	5%	50V
C329	1-126-049-11	ELECT	22uF	20%	25V
C330	1-162-211-31	CERAMIC	33PF	5%	50V
C331	1-162-199-31	CERAMIC	10PF	5%	50V
C332	1-164-159-11	CERAMIC	0.1uF		50V
C333	1-124-995-11	ELECT	220uF	20%	10V
C334	1-162-306-11	CERAMIC	0.01uF	20%	16V
C335	1-162-294-31	CERAMIC	0.001uF	10%	50V
C337	1-164-159-11	CERAMIC	0.1uF		50V
C339	1-164-159-11	CERAMIC	0.1uF		50V
C341	1-126-022-11	ELECT	47uF	20%	10V
C342	1-164-159-11	CERAMIC	0.1uF		50V
C343	1-130-481-00	MYLAR	0.0068uF	5%	50V
C344	1-162-207-31	CERAMIC	22PF	5%	50V
C345	1-162-207-31	CERAMIC	22PF	5%	50V
C346	1-164-159-11	CERAMIC	0.1uF		50V
C350	1-164-159-11	CERAMIC	0.1uF		50V
C378	1-162-199-31	CERAMIC	10PF	5%	50V
C401	1-130-483-00	MYLAR	0.01uF	5%	50V
C403	1-126-059-11	ELECT	10uF	20%	50V
C404	1-126-049-11	ELECT	22uF	20%	25V
C405	1-130-483-00	MYLAR	0.01uF	5%	50V
C407	1-164-159-11	CERAMIC	0.1uF		50V
C408	1-126-022-11	ELECT	47uF	20%	25V
C409	1-164-159-11	CERAMIC	0.1uF		50V
C410	1-126-022-11	ELECT	47uF	20%	25V
C411	1-164-159-11	CERAMIC	0.1uF		50V
C412	1-126-049-11	ELECT	22uF	20%	25V
C413	1-164-159-11	CERAMIC	0.1uF		50V
C414	1-126-049-11	ELECT	22uF	20%	25V
C415	1-136-165-00	FILM	0.1uF	5%	50V
C417	1-164-159-11	CERAMIC	0.1uF		50V
C418	1-164-159-11	CERAMIC	0.1uF		50V
C419	1-124-994-11	ELECT	100uF	20%	10V
C420	1-164-159-11	CERAMIC	0.1uF		50V
C422	1-124-994-11	ELECT	100uF	20%	10V
C423	1-164-159-11	CERAMIC	0.1uF		50V
C424	1-164-159-11	CERAMIC	0.1uF		50V
C425	1-164-159-11	CERAMIC	0.1uF		50V

Ref. No.	Part No.	Description			Remark
C426	1-164-159-11	CERAMIC	0.1uF		50V
C427	1-162-294-31	CERAMIC	0.001uF	10%	50V
C432	1-164-159-11	CERAMIC	0.1uF		50V
C433	1-126-022-11	ELECT	47uF	20%	10V
C434	1-126-022-11	ELECT	47uF	20%	10V
C436	1-126-049-11	ELECT	22uF	20%	25V
C439	1-130-475-00	MYLAR	0.0022uF	5%	50V
C440	1-164-159-11	CERAMIC	0.1uF		50V
C442	1-126-059-11	ELECT	10uF	20%	50V
C443	1-162-211-31	CERAMIC	33PF	5%	50V
C444	1-162-306-11	CERAMIC	0.01uF	20%	16V
C445	1-162-211-31	CERAMIC	33PF	5%	50V
C448	1-164-159-11	CERAMIC	0.1uF		50V
C449	1-162-294-31	CERAMIC	0.001uF	10%	50V
C451	1-130-483-00	MYLAR	0.01uF	5%	50V
C453	1-126-059-11	ELECT	10uF	20%	50V
C454	1-126-049-11	ELECT	22uF	20%	25V
C455	1-130-483-00	MYLAR	0.01uF	5%	50V
C457	1-164-159-11	CERAMIC	0.1uF		50V
C458	1-126-022-11	ELECT	47uF	20%	25V
C459	1-164-159-11	CERAMIC	0.1uF		50V
C460	1-162-294-31	CERAMIC	0.001uF	10%	50V
C461	1-126-044-11	ELECT	1uF	20%	50V
C462	1-162-294-31	CERAMIC	0.001uF	10%	50V
C463	1-162-294-31	CERAMIC	0.001uF	10%	50V
C464	1-162-294-31	CERAMIC	0.001uF	10%	50V
C466	1-162-294-31	CERAMIC	0.001uF	10%	50V
C467	1-162-294-31	CERAMIC	0.001uF	10%	50V
C469	1-162-294-31	CERAMIC	0.001uF	10%	50V
C470	1-162-294-31	CERAMIC	0.001uF	10%	50V
C481	1-126-059-11	ELECT	10uF	20%	50V
C482	1-126-059-11	ELECT	10uF	20%	50V
C489	1-130-475-00	MYLAR	0.0022uF	5%	50V
C492	1-126-059-11	ELECT	10uF	20%	50V
C493	1-124-994-11	ELECT	100uF	20%	10V
C499	1-164-159-11	CERAMIC	0.1uF		50V
C501	1-110-339-11	MYLAR	220PF	5%	50V
C502	1-110-339-11	MYLAR	220PF	5%	50V
C503	1-110-339-11	MYLAR	220PF	5%	50V
C504	1-110-339-11	MYLAR	220PF	5%	50V
C505	1-110-335-11	MYLAR	100PF	5%	50V
C506	1-110-335-11	MYLAR	100PF	5%	50V
C507	1-130-479-00	MYLAR	0.0047uF	5%	50V
C508	1-130-472-00	MYLAR	0.0012uF	5%	50V
C510	1-126-022-11	ELECT	47uF	20%	25V
C511	1-126-022-11	ELECT	47uF	20%	25V
C512	1-126-022-11	ELECT	47uF	20%	25V
C513	1-126-022-11	ELECT	47uF	20%	25V
C515	1-126-059-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C551	1-110-339-11	MYLAR	220PF	5%	50V
C553	1-110-339-11	MYLAR	220PF	5%	50V
C554	1-110-339-11	MYLAR	220PF	5%	50V
C555	1-110-335-11	MYLAR	100PF	5%	50V
C556	1-110-335-11	MYLAR	100PF	5%	50V
C557	1-130-479-00	MYLAR	0.0047uF	5%	50V
C558	1-130-472-00	MYLAR	0.0012uF	5%	50V
C560	1-164-159-11	CERAMIC	0.1uF		50V
C561	1-164-159-11	CERAMIC	0.1uF		50V
C562	1-126-049-11	ELECT	22uF	20%	25V
C563	1-164-159-11	CERAMIC	0.1uF		50V
C564	1-110-339-11	MYLAR	220PF	5%	50V
C565	1-126-049-11	ELECT	22uF	20%	25V
C566	1-164-159-11	CERAMIC	0.1uF		50V
C567	1-164-159-11	CERAMIC	0.1uF		50V
C568	1-164-159-11	CERAMIC	0.1uF		50V
C569	1-130-483-00	MYLAR	0.01uF	5%	50V
C571	1-126-059-11	ELECT	10uF	20%	50V
C572	1-164-159-11	CERAMIC	0.1uF		50V
C599	1-126-049-11	ELECT	22uF	20%	25V
C601	1-110-339-11	MYLAR	220PF	5%	50V
C602	1-110-339-11	MYLAR	220PF	5%	50V
C603	1-110-339-11	MYLAR	220PF	5%	50V
C604	1-110-339-11	MYLAR	220PF	5%	50V
C605	1-110-335-11	MYLAR	100PF	5%	50V
C606	1-110-335-11	MYLAR	100PF	5%	50V
C607	1-130-479-00	MYLAR	0.0047uF	5%	50V
C608	1-130-472-00	MYLAR	0.0012uF	5%	50V
C610	1-126-022-11	ELECT	47uF	20%	25V
C611	1-126-022-11	ELECT	47uF	20%	25V
C612	1-126-022-11	ELECT	47uF	20%	25V
C613	1-126-022-11	ELECT	47uF	20%	25V
C614	1-126-022-11	ELECT	47uF	20%	25V
C615	1-126-022-11	ELECT	47uF	20%	25V
C651	1-110-339-11	MYLAR	220PF	5%	50V
C652	1-110-339-11	MYLAR	220PF	5%	50V
C653	1-110-339-11	MYLAR	220PF	5%	50V
C654	1-110-339-11	MYLAR	220PF	5%	50V
C655	1-110-335-11	MYLAR	100PF	5%	50V
C656	1-110-335-11	MYLAR	100PF	5%	50V
C657	1-130-479-00	MYLAR	0.0047uF	5%	50V
C658	1-130-472-00	MYLAR	0.0012uF	5%	50V
C671	1-110-339-11	MYLAR	220PF	5%	50V
C672	1-110-339-11	MYLAR	220PF	5%	50V
C673	1-110-339-11	MYLAR	220PF	5%	50V
C674	1-110-339-11	MYLAR	220PF	5%	50V
C675	1-110-335-11	MYLAR	100PF	5%	50V
C676	1-110-335-11	MYLAR	100PF	5%	50V
C677	1-130-479-00	MYLAR	0.0047uF	5%	50V

Ref. No.	Part No.	Description			Remark
C678	1-130-472-00	MYLAR	0.0012uF	5%	50V
C679	1-126-049-11	ELECT	22uF	20%	25V
C680	1-164-159-11	CERAMIC	0.1uF		50V
C681	1-164-159-11	CERAMIC	0.1uF		50V
C682	1-126-049-11	ELECT	22uF	20%	25V
C683	1-164-159-11	CERAMIC	0.1uF		50V
C684	1-126-049-11	ELECT	22uF	20%	25V
C685	1-164-159-11	CERAMIC	0.1uF		50V
C686	1-164-159-11	CERAMIC	0.1uF		50V
C687	1-164-159-11	CERAMIC	0.1uF		50V
C688	1-126-049-11	ELECT	22uF	20%	25V
C689	1-164-159-11	CERAMIC	0.1uF		50V
C690	1-164-159-11	CERAMIC	0.1uF		50V
C691	1-126-049-11	ELECT	22uF	20%	25V
C692	1-164-159-11	CERAMIC	0.1uF		50V
C693	1-126-049-11	ELECT	22uF	20%	25V
C694	1-164-159-11	CERAMIC	0.1uF		50V
C695	1-164-159-11	CERAMIC	0.1uF		50V
C696	1-164-159-11	CERAMIC	0.1uF		50V
C697	1-164-159-11	CERAMIC	0.1uF		50V
C699	1-164-159-11	CERAMIC	0.1uF		50V
C1005	1-125-548-11	CAP, DOUBLE LAYEYERS			0.1F
C1006	1-164-159-11	CERAMIC	0.1uF		50V
C1007	1-124-994-11	ELECT	100uF	20%	10V
C1008	1-162-306-11	CERAMIC	0.01uF	20%	16V
C1009	1-162-306-11	CERAMIC	0.01uF	20%	16V
C1010	1-124-463-00	ELECT	0.1uF	20%	50V
C1011	1-162-306-11	CERAMIC	0.01uF	20%	16V
C1012	1-162-306-11	CERAMIC	0.01uF	20%	16V
C1013	1-162-294-31	CERAMIC	0.001uF	10%	50V
C1050	1-124-994-11	ELECT	100uF	20%	10V
C1051	1-124-994-11	ELECT	100uF	20%	10V

< CONNECTOR >

	CN3	1-564-507-11	PLUG, CONNECTOR 4P
*	CN8	1-564-506-11	PLUG, CONNECTOR 3P
*	CN801	1-564-666-11	PIN, CONNECTOR 10P
*	CN802	1-564-666-11	PIN, CONNECTOR 10P
*	CN803	1-564-342-11	PIN, CONNECTOR 8P
*	CN806	1-564-340-00	PIN, CONNECTOR 6P
	CN1001	1-564-980-11	PIN, CONNECTOR 4P (CONTROL S IN)
	CN1002	1-564-980-11	PIN, CONNECTOR 4P (CONTROL S OUT)

< CONPOSITION CIRCUIT BLOCK >

CP401	1-232-941-11	COMPOSITION CIRCUIT BLOCK

DIGITAL

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D301	8-719-903-27	DIODE 1SS168	
D304	8-719-918-45	DIODE KV1310	
D305	8-719-903-27	DIODE 1SS168	
D306	8-719-987-63	DIODE 1N4148M	
D307	8-719-987-63	DIODE 1N4148M	
D308	8-719-987-63	DIODE 1N4148M	
D403	8-719-200-82	DIODE 11ES2	
D501	8-719-987-63	DIODE 1N4148M	
D1014	8-719-987-63	DIODE 1N4148M	
D1015	8-719-987-63	DIODE 1N4148M	
D1016	8-719-987-63	DIODE 1N4148M	
D1018	8-719-987-63	DIODE 1N4148M	
D1019	8-719-987-63	DIODE 1N4148M	
D1020	8-719-987-63	DIODE 1N4148M	
D1021	8-719-987-63	DIODE 1N4148M	
D1022	8-719-987-63	DIODE 1N4148M	
D1023	8-719-022-21	DIODE 1T22A	
D1024	8-719-987-63	DIODE 1N4148M	
D1025	8-719-987-63	DIODE 1N4148M	
		< IC >	
IC301	8-759-977-72	IC GP-1F31R (OPTICAL 2 IN)	
IC302	8-759-977-72	IC GP-1F31R (OPTICAL 1 IN)	
IC304	8-759-977-71	IC GP-1F31T (OPTICAL 3 REC OUT)	
IC305	8-759-917-18	IC SN74HCU04N	
IC306	8-759-921-17	IC SN74HC153AN	
IC307	8-759-921-17	IC SN74HC153AN	
IC309	8-759-916-12	IC TC74HC00P	
IC310	8-759-250-81	IC TC5081AP	
IC311	8-759-917-11	IC SN74HC393N	
IC312	8-759-917-18	IC SN74HCU04N	
IC313	8-759-077-89	IC NJM78L08A-T3	
IC314	8-759-973-98	IC YM3623B	
IC315	8-759-916-12	IC TC74HC00P	
IC316	8-759-916-12	IC TC74HC00P	
IC401	8-759-502-91	IC AK5328-VP	
IC402	8-759-711-35	IC NJM4580D	
IC404	8-759-604-35	IC M5F78M05	
IC405	8-759-982-52	IC RC79M05FA	
IC406	8-741-717-01	IC SBX1717-01	
IC410	8-752-341-99	IC CXD2701Q	
IC411	8-759-506-48	IC MSM514256A-80RS-B	
IC412	8-752-341-99	IC CXD2701Q	
IC413	8-759-506-48	IC MSM514256A-80RS-B	
IC414	8-752-342-65	IC CXD2560M	
IC415	8-752-342-65	IC CXD2560M	
IC416	8-752-342-65	IC CXD2560M	
IC417	8-759-917-18	IC SN74HCU04N	
IC418	8-759-040-59	IC LC7883K	
IC419	8-752-343-18	IC CXD2704Q	
IC420	8-759-000-55	IC MC14078BCP	
IC421	8-759-945-58	IC RC4558P	
IC501	8-759-044-10	IC CXD2562Q	
IC502	8-759-900-72	IC NE5532P	
IC503	8-759-711-35	IC NJM4580D	
IC504	8-759-604-35	IC M5F78M05	
IC552	8-759-900-72	IC NE5532P	
IC553	8-759-711-35	IC NJM4580D	
IC601	8-759-044-10	IC CXD2562Q	
IC602	8-759-900-72	IC NE5532P	
IC603	8-759-711-35	IC NJM4580D	
IC651	8-759-044-10	IC CXD2562Q	
IC652	8-759-900-72	IC NE5532P	
IC653	8-759-711-35	IC NJM4580D	
IC673	8-759-711-35	IC NJM4580D	
IC762	8-759-900-72	IC NE5532P	
IC1001	8-759-080-78	IC HD6435368RA09F	
IC1002	8-759-503-96	IC MSM59371RS	
IC1006	8-759-984-03	IC LM339N	
		< JACK >	
J301	1-568-750-21	JACK, PIN (1P SHIELD TYPE) (COAXIAL IN)	
		< COIL >	
L301	1-410-324-11	INDUCTOR 4.7uH	
L302	1-410-324-11	INDUCTOR 4.7uH	
L303	1-410-324-11	INDUCTOR 4.7uH	
L304	1-410-324-11	INDUCTOR 4.7uH	
L305	1-410-324-11	INDUCTOR 4.7uH	
L306	1-410-314-11	INDUCTOR 0.47uH	
L312	1-426-850-11	COIL (RF)	
L313	1-426-850-11	COIL (RF)	
L314	1-410-324-11	INDUCTOR 4.7uH	
L315	1-410-324-11	INDUCTOR 4.7uH	
L316	1-410-324-11	INDUCTOR 4.7uH	
L317	1-410-324-11	INDUCTOR 4.7uH	
L318	1-410-324-11	INDUCTOR 4.7uH	
L401	1-410-324-11	INDUCTOR 4.7uH	
L402	1-410-324-11	INDUCTOR 4.7uH	
L403	1-410-324-11	INDUCTOR 4.7uH	
L404	1-410-324-11	INDUCTOR 4.7uH	
L406	1-410-324-11	INDUCTOR 4.7uH	
L407	1-410-324-11	INDUCTOR 4.7uH	
L408	1-410-324-11	INDUCTOR 4.7uH	

Ref. No.	Part No.	Description				Remark
L409	1-410-324-11	INDUCTOR	4.7uH			
L411	1-410-324-11	INDUCTOR	4.7uH			
L412	1-410-324-11	INDUCTOR	4.7uH			
L413	1-410-324-11	INDUCTOR	4.7uH			
L415	1-410-324-11	INDUCTOR	4.7uH			
L501	1-410-324-11	INDUCTOR	4.7uH			
L601	1-410-324-11	INDUCTOR	4.7uH			
L602	1-410-324-11	INDUCTOR	4.7uH			
* L603	1-410-858-11	INDUCTOR	0uH			
L1001	1-410-314-11	INDUCTOR	0.47uH			
L1002	1-410-314-11	INDUCTOR	0.47uH			
L1003	1-410-314-11	INDUCTOR	0.47uH			
L1004	1-410-314-11	INDUCTOR	0.47uH			
L1005	1-410-314-11	INDUCTOR	0.47uH			
L1006	1-410-521-11	INDUCTOR	100uH			
		< TRANSISTOR >				
Q301	8-729-900-80	TRANSISTOR	DTC114ES			
Q303	8-729-200-56	TRANSISTOR	2SK241-GR			
Q304	8-729-200-56	TRANSISTOR	2SK241-GR			
Q305	8-729-900-61	TRANSISTOR	DTA114ES			
Q1001	8-729-900-80	TRANSISTOR	DTC114ES			
Q1002	8-729-900-80	TRANSISTOR	DTC114ES			
Q1003	8-729-900-80	TRANSISTOR	DTC114ES			
Q1004	8-729-900-80	TRANSISTOR	DTC114ES			
Q1005	8-729-900-80	TRANSISTOR	DTC114ES			
Q1006	8-729-900-80	TRANSISTOR	DTC114ES			
Q1007	8-729-900-80	TRANSISTOR	DTC114ES			
Q1008	8-729-900-80	TRANSISTOR	DTC114ES			
Q1009	8-729-900-80	TRANSISTOR	DTC114ES			
Q1010	8-729-900-80	TRANSISTOR	DTC114ES			
Q1011	8-729-620-05	TRANSISTOR	2SC2603-EF			
Q1012	8-729-900-80	TRANSISTOR	DTC114ES			
Q1013	8-729-900-80	TRANSISTOR	DTC114ES			
Q1014	8-729-203-49	TRANSISTOR	2SC3327-B			
Q1015	8-729-900-80	TRANSISTOR	DTC114ES			
		< RESISTOR >				
R301	1-259-420-11	CARBON	470	5%	1/6W	
R302	1-259-420-11	CARBON	470	5%	1/6W	
R304	1-259-404-11	CARBON	100	5%	1/6W	
R305	1-259-500-11	CARBON	1M	5%	1/6W	
R306	1-259-476-11	CARBON	100K	5%	1/6W	
R309	1-259-404-11	CARBON	100	5%	1/6W	
R314	1-259-428-11	CARBON	1K	5%	1/6W	
R317	1-259-476-11	CARBON	100K	5%	1/6W	
R318	1-259-464-11	CARBON	33K	5%	1/6W	
R319	1-259-468-11	CARBON	47K	5%	1/6W	
R320	1-259-440-11	CARBON	3.3K	5%	1/6W	

Ref. No.	Part No.	Description				Remark
R321	1-259-440-11	CARBON	3.3K	5%	1/6W	
R322	1-259-428-11	CARBON	1K	5%	1/6W	
R323	1-259-428-11	CARBON	1K	5%	1/6W	
R324	1-259-452-11	CARBON	10K	5%	1/6W	
R325	1-259-476-11	CARBON	100K	5%	1/6W	
R326	1-259-500-11	CARBON	1M	5%	1/6W	
R327	1-259-452-11	CARBON	10K	5%	1/6W	
R328	1-259-450-11	CARBON	8.2K	5%	1/6W	
R329	1-259-476-11	CARBON	100K	5%	1/6W	
R330	1-259-428-11	CARBON	1K	5%	1/6W	
R331	1-259-428-11	CARBON	1K	5%	1/6W	
R332	1-259-428-11	CARBON	1K	5%	1/6W	
R333	1-259-404-11	CARBON	100	5%	1/6W	
R334	1-259-428-11	CARBON	1K	5%	1/6W	
R335	1-259-500-11	CARBON	1M	5%	1/6W	
R336	1-259-500-11	CARBON	1M	5%	1/6W	
R337	1-259-401-11	CARBON	75	5%	1/6W	
R338	1-259-452-11	CARBON	10K	5%	1/6W	
R339	1-249-782-11	CARBON	150	5%	1/6W	
R340	1-259-404-11	CARBON	100	5%	1/6W	
R341	1-259-500-11	CARBON	1M	5%	1/6W	
R342	1-259-452-11	CARBON	10K	5%	1/6W	
R343	1-259-412-11	CARBON	220	5%	1/6W	
R344	1-259-452-11	CARBON	10K	5%	1/6W	
R348	1-259-404-11	CARBON	100	5%	1/6W	
R350	1-259-420-11	CARBON	470	5%	1/6W	
R401	1-259-476-11	CARBON	100K	5%	1/6W	
R403	1-259-430-11	CARBON	1.2K	5%	1/6W	
R404	1-259-440-11	CARBON	3.3K	5%	1/6W	
R405	1-259-404-11	CARBON	100	5%	1/6W	
R406	1-259-396-11	CARBON	47	5%	1/6W	
R407	1-259-380-11	CARBON	10	5%	1/6W	
R410	1-259-464-11	CARBON	33K	5%	1/6W	
R411	1-259-464-11	CARBON	33K	5%	1/6W	
R413	1-259-412-11	CARBON	220	5%	1/6W	
R414	1-259-412-11	CARBON	220	5%	1/6W	
R415	1-259-412-11	CARBON	220	5%	1/6W	
R427	1-259-492-11	CARBON	470K	5%	1/6W	
R428	1-259-428-11	CARBON	1K	5%	1/6W	
R430	1-259-404-11	CARBON	100	5%	1/6W	
R433	1-259-396-11	CARBON	47	5%	1/6W	
R434	1-259-476-11	CARBON	100K	5%	1/6W	
R435	1-259-500-11	CARBON	1M	5%	1/6W	
R437	1-259-396-11	CARBON	47	5%	1/6W	
R448	1-259-476-11	CARBON	100K	5%	1/6W	
R451	1-259-476-11	CARBON	100K	5%	1/6W	
R453	1-259-430-11	CARBON	1.2K	5%	1/6W	
R454	1-259-440-11	CARBON	3.3K	5%	1/6W	
R455	1-259-404-11	CARBON	100	5%	1/6W	

DIGITAL

Ref. No.	Part No.	Description			Remark
R456	1-259-396-11	CARBON	47	5%	1/6W
R460	1-259-464-11	CARBON	33K	5%	1/6W
R461	1-259-464-11	CARBON	33K	5%	1/6W
R462	1-259-428-11	CARBON	1K	5%	1/6W
R463	1-259-428-11	CARBON	1K	5%	1/6W
R464	1-259-404-11	CARBON	100	5%	1/6W
R465	1-259-404-11	CARBON	100	5%	1/6W
R467	1-259-420-11	CARBON	470	5%	1/6W
R468	1-259-420-11	CARBON	470	5%	1/6W
R469	1-259-420-11	CARBON	470	5%	1/6W
R478	1-259-428-11	CARBON	1K	5%	1/6W
R485	1-259-404-11	CARBON	100	5%	1/6W
R501	1-259-451-11	CARBON	9.1K	5%	1/6W
R502	1-259-451-11	CARBON	9.1K	5%	1/6W
R503	1-259-451-11	CARBON	9.1K	5%	1/6W
R504	1-259-451-11	CARBON	9.1K	5%	1/6W
R505	1-259-444-11	CARBON	4.7K	5%	1/6W
R506	1-259-444-11	CARBON	4.7K	5%	1/6W
R507	1-259-444-11	CARBON	4.7K	5%	1/6W
R508	1-259-444-11	CARBON	4.7K	5%	1/6W
R509	1-259-454-11	CARBON	12K	5%	1/6W
R510	1-259-454-11	CARBON	12K	5%	1/6W
R511	1-259-446-11	CARBON	5.6K	5%	1/6W
R512	1-259-446-11	CARBON	5.6K	5%	1/6W
R513	1-259-446-11	CARBON	5.6K	5%	1/6W
R514	1-259-446-11	CARBON	5.6K	5%	1/6W
R515	1-259-432-11	CARBON	1.5K	5%	1/6W
R516	1-259-432-11	CARBON	1.5K	5%	1/6W
R551	1-259-451-11	CARBON	9.1K	5%	1/6W
R552	1-259-451-11	CARBON	9.1K	5%	1/6W
R553	1-259-451-11	CARBON	9.1K	5%	1/6W
R554	1-259-451-11	CARBON	9.1K	5%	1/6W
R555	1-259-444-11	CARBON	4.7K	5%	1/6W
R556	1-259-444-11	CARBON	4.7K	5%	1/6W
R557	1-259-444-11	CARBON	4.7K	5%	1/6W
R558	1-259-444-11	CARBON	4.7K	5%	1/6W
R559	1-259-454-11	CARBON	12K	5%	1/6W
R560	1-259-454-11	CARBON	12K	5%	1/6W
R561	1-259-446-11	CARBON	5.6K	5%	1/6W
R562	1-259-446-11	CARBON	5.6K	5%	1/6W
R563	1-259-446-11	CARBON	5.6K	5%	1/6W
R564	1-259-446-11	CARBON	5.6K	5%	1/6W
R565	1-259-432-11	CARBON	1.5K	5%	1/6W
R566	1-259-432-11	CARBON	1.5K	5%	1/6W
R572	1-259-404-11	CARBON	100	5%	1/6W
R575	1-259-492-11	CARBON	470K	5%	1/6W
R601	1-259-451-11	CARBON	9.1K	5%	1/6W
R602	1-259-451-11	CARBON	9.1K	5%	1/6W
R603	1-259-451-11	CARBON	9.1K	5%	1/6W
R604	1-259-451-11	CARBON	9.1K	5%	1/6W
R605	1-259-444-11	CARBON	4.7K	5%	1/6W
R606	1-259-444-11	CARBON	4.7K	5%	1/6W
R607	1-259-444-11	CARBON	4.7K	5%	1/6W
R608	1-259-444-11	CARBON	4.7K	5%	1/6W
R609	1-259-454-11	CARBON	12K	5%	1/6W
R610	1-259-454-11	CARBON	12K	5%	1/6W
R611	1-259-446-11	CARBON	5.6K	5%	1/6W
R612	1-259-446-11	CARBON	5.6K	5%	1/6W
R613	1-259-446-11	CARBON	5.6K	5%	1/6W
R614	1-259-446-11	CARBON	5.6K	5%	1/6W
R615	1-259-432-11	CARBON	1.5K	5%	1/6W
R616	1-259-432-11	CARBON	1.5K	5%	1/6W
R651	1-259-451-11	CARBON	9.1K	5%	1/6W
R652	1-259-451-11	CARBON	9.1K	5%	1/6W
R653	1-259-451-11	CARBON	9.1K	5%	1/6W
R654	1-259-451-11	CARBON	9.1K	5%	1/6W
R655	1-259-444-11	CARBON	4.7K	5%	1/6W
R656	1-259-444-11	CARBON	4.7K	5%	1/6W
R657	1-259-444-11	CARBON	4.7K	5%	1/6W
R658	1-259-444-11	CARBON	4.7K	5%	1/6W
R659	1-259-454-11	CARBON	12K	5%	1/6W
R660	1-259-454-11	CARBON	12K	5%	1/6W
R661	1-259-446-11	CARBON	5.6K	5%	1/6W
R662	1-259-446-11	CARBON	5.6K	5%	1/6W
R663	1-259-446-11	CARBON	5.6K	5%	1/6W
R664	1-259-446-11	CARBON	5.6K	5%	1/6W
R665	1-259-432-11	CARBON	1.5K	5%	1/6W
R666	1-259-432-11	CARBON	1.5K	5%	1/6W
R671	1-259-451-11	CARBON	9.1K	5%	1/6W
R672	1-259-451-11	CARBON	9.1K	5%	1/6W
R673	1-259-451-11	CARBON	9.1K	5%	1/6W
R674	1-259-451-11	CARBON	9.1K	5%	1/6W
R675	1-259-444-11	CARBON	4.7K	5%	1/6W
R676	1-259-444-11	CARBON	4.7K	5%	1/6W
R677	1-259-444-11	CARBON	4.7K	5%	1/6W
R678	1-259-444-11	CARBON	4.7K	5%	1/6W
R679	1-259-454-11	CARBON	12K	5%	1/6W
R680	1-259-454-11	CARBON	12K	5%	1/6W
R681	1-259-446-11	CARBON	5.6K	5%	1/6W
R682	1-259-446-11	CARBON	5.6K	5%	1/6W
R683	1-259-446-11	CARBON	5.6K	5%	1/6W
R684	1-259-446-11	CARBON	5.6K	5%	1/6W
R685	1-259-432-11	CARBON	1.5K	5%	1/6W
R686	1-259-432-11	CARBON	1.5K	5%	1/6W
R687	1-259-420-11	CARBON	470	5%	1/6W
R688	1-259-420-11	CARBON	470	5%	1/6W
R689	1-259-420-11	CARBON	470	5%	1/6W
R690	1-259-420-11	CARBON	470	5%	1/6W

Ref.No.	Part No.	Description			Remark
R691	1-259-404-11	CARBON	100	5%	1/6W
R692	1-259-404-11	CARBON	100	5%	1/6W
R693	1-259-420-11	CARBON	470	5%	1/6W
R694	1-259-420-11	CARBON	470	5%	1/6W
R695	1-259-420-11	CARBON	470	5%	1/6W
R696	1-259-420-11	CARBON	470	5%	1/6W
R697	1-259-404-11	CARBON	100	5%	1/6W
R698	1-259-404-11	CARBON	100	5%	1/6W
R1008	1-259-492-11	CARBON	470K	5%	1/6W
R1009	1-259-460-11	CARBON	22K	5%	1/6W
R1011	1-259-428-11	CARBON	1K	5%	1/6W
R1012	1-259-476-11	CARBON	100K	5%	1/6W
R1013	1-259-452-11	CARBON	10K	5%	1/6W
R1014	1-259-428-11	CARBON	1K	5%	1/6W
R1015	1-259-468-11	CARBON	47K	5%	1/6W
R1016	1-259-452-11	CARBON	10K	5%	1/6W
R1017	1-259-412-11	CARBON	220	5%	1/6W
R1019	1-259-476-11	CARBON	100K	5%	1/6W
R1021	1-259-476-11	CARBON	100K	5%	1/6W
R1022	1-259-462-11	CARBON	27K	5%	1/6W
R1023	1-259-454-11	CARBON	12K	5%	1/6W
R1026	1-259-428-11	CARBON	1K	5%	1/6W
R1027	1-259-468-11	CARBON	47K	5%	1/6W
R1028	1-259-468-11	CARBON	47K	5%	1/6W
R1029	1-259-468-11	CARBON	47K	5%	1/6W
R1030	1-259-468-11	CARBON	47K	5%	1/6W
R1031	1-259-468-11	CARBON	47K	5%	1/6W
R1032	1-259-468-11	CARBON	47K	5%	1/6W
R1033	1-259-468-11	CARBON	47K	5%	1/6W
R1034	1-259-468-11	CARBON	47K	5%	1/6W
R1040	1-259-396-11	CARBON	47	5%	1/6W
R1041	1-259-428-11	CARBON	1K	5%	1/6W
R1042	1-259-428-11	CARBON	1K	5%	1/6W
R1043	1-259-428-11	CARBON	1K	5%	1/6W
R1050	1-259-464-11	CARBON	33K	5%	1/6W
R1051	1-259-468-11	CARBON	47K	5%	1/6W
R1052	1-259-468-11	CARBON	47K	5%	1/6W
R1053	1-259-468-11	CARBON	47K	5%	1/6W
R1054	1-259-468-11	CARBON	47K	5%	1/6W
R1055	1-259-468-11	CARBON	47K	5%	1/6W
R1056	1-259-492-11	CARBON	470K	5%	1/6W
R1057	1-259-404-11	CARBON	100	5%	1/6W
R1060	1-259-428-11	CARBON	1K	5%	1/6W
R1061	1-259-428-11	CARBON	1K	5%	1/6W

< VIBRATOR >

X301	1-577-269-11	VIBRATOR, CRYSTAL (18.432MHz)	
X401	1-577-305-11	VIBRATOR, CRYSTAL (25MHz)	
X1001	1-567-849-11	OSCILLATOR, CERAMIC (20MHz)	

Ref.No.	Part No.	Description			Remark
*	A-4345-695-A	DISPLAY BOARD, COMPLETE			
		**********			
	4-933-419-01	HOLDER (FL)			

< CAPACITOR >

C1001	1-124-918-11	ELECT	47uF	20%	63V
C1003	1-124-126-00	ELECT	47uF	20%	10V
C1004	1-161-379-00	CERAMIC	0.01uF	20%	25V
C1014	1-162-294-31	CERAMIC	0.001uF	10%	50V

< CONNECTOR >

* CND801	1-564-666-11	PIN, CONNECTOR 10P	
* CND802	1-564-666-11	PIN, CONNECTOR 10P	
* CND803	1-564-342-11	PIN, CONNECTOR 8P	
* CNE3	1-564-513-11	PLUG, CONNECTOR 10P	

< DIODE >

D1001	8-719-301-52	LED	SEL2810A-C (SURROUND)
D1002	8-719-301-52	LED	SEL2810A-C (DYNAMICS)
D1003	8-719-301-52	LED	SEL2810A-C (PARAMETRIC EQ)
D1007	8-719-301-52	LED	SEL2810A-C (ROOM SIZE/WALL)
D1008	8-719-301-52	LED	SEL2810A-C (SEAT POSITION REAR-FRONT/LEFT-RIGHT)
D1009	8-719-301-52	LED	SEL2810A-C (CENTER LEVEL/REAR LEVEL)
D1010	8-719-301-52	LED	SEL2810A-C (EQ LEVEL/FREQUENCY)
D1011	8-719-301-52	LED	SEL2810A-C (MAIN PARAMETER)
D1012	8-719-301-52	LED	SEL2810A-C (SUB PARAMETER)
D1013	8-719-301-52	LED	SEL2810A-C (DIRECT)

< FLUORESCENT INDICATOR >

FL1001	1-519-689-11	INDICATOR TUBE, FLUORESCENT

< IC >

IC1003	8-759-512-46	IC MSC7162
IC1004	8-759-512-46	IC MSC7162
IC1005	8-759-512-46	IC MSC7162

< RESISTOR >

R1002	1-249-419-11	CARBON	1.5K	5%	1/4W
R1003	1-249-419-11	CARBON	1.5K	5%	1/4W
R1004	1-249-419-11	CARBON	1.5K	5%	1/4W
R1005	1-249-418-11	CARBON	1.2K	5%	1/4W
R1006	1-249-419-11	CARBON	1.5K	5%	1/4W
R1007	1-249-419-11	CARBON	1.5K	5%	1/4W

DISPLAY | H. P. | I VOL | M VOL | RY

Ref. No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV1001	1-466-203-11	ENCODER, ROTARY (DIGITAL PROCESSING CONTROL)	
RV1002	1-466-203-11	ENCODER, ROTARY (DIGITAL PROCESSING CONTROL)	
		< SWITCH >	
S1001	1-554-303-21	SWITCH, TACTILE (SURROUND PROGRAM ▽)	
S1002	1-554-303-21	SWITCH, TACTILE (PRESET/USER)	
S1003	1-554-303-21	SWITCH, TACTILE (SORROUND)	
S1004	1-554-303-21	SWITCH, TACTILE (DINAMICS)	
S1005	1-554-303-21	SWITCH, TACTILE (PARAMETRIC EQ)	
S1006	1-554-303-21	SWITCH, TACTILE (SURROUND PROGRAM △)	
S1007	1-554-303-21	SWITCH, TACTILE (MAIN PARAMETER)	
S1008	1-554-303-21	SWITCH, TACTILE (SUB PARAMETER)	
S1009	1-554-303-21	SWITCH, TACTILE (EQ BAND)	
S1010	1-554-303-21	SWITCH, TACTILE (EQ SLOPE)	
S1011	1-554-303-21	SWITCH, TACTILE (MIX)	
S1012	1-554-303-21	SWITCH, TACTILE (DIGITAL)	
S1013	1-554-303-21	SWITCH, TACTILE (PHONO)	
S1014	1-554-303-21	SWITCH, TACTILE (TUNER)	
S1015	1-554-303-21	SWITCH, TACTILE (CD)	
S1016	1-554-303-21	SWITCH, TACTILE (SOURCE)	
S1017	1-554-303-21	SWITCH, TACTILE (CHECK)	
S1018	1-554-303-21	SWITCH, TACTILE (SET)	
S1019	1-554-303-21	SWITCH, TACTILE (EFECT REC)	
S1020	1-554-303-21	SWITCH, TACTILE (CHARACTER)	
S1021	1-554-303-21	SWITCH, TACTILE (CLEAR)	
S1022	1-554-303-21	SWITCH, TACTILE (ENTER)	
S1023	1-554-303-21	SWITCH, TACTILE (MEMORY)	
S1024	1-554-303-21	SWITCH, TACTILE (FLAT)	
S1025	1-554-303-21	SWITCH, TACTILE (EQ CH)	
S1026	1-554-303-21	SWITCH, TACTILE (TAPE 2)	
S1027	1-554-303-21	SWITCH, TACTILE (TAPE 1)	
S1028	1-554-303-21	SWITCH, TACTILE (TV)	
S1029	1-554-303-21	SWITCH, TACTILE (LD)	
S1030	1-554-303-21	SWITCH, TACTILE (VIDEO 5)	
S1031	1-554-303-21	SWITCH, TACTILE (VIDEO 4)	
S1032	1-554-303-21	SWITCH, TACTILE (VIDEO 3)	
S1033	1-554-303-21	SWITCH, TACTILE (VIDEO 2)	
S1034	1-554-303-21	SWITCH, TACTILE (VIDEO 1)	
S1035	1-554-303-21	SWITCH, TACTILE (DIGITAL +)	
S1036	1-554-303-21	SWITCH, TACTILE (DIGITAL -)	
S1037	1-554-303-21	SWITCH, TACTILE (PRO LOGIC MODE)	
S1038	1-554-303-21	SWITCH, TACTILE (DIMMER)	

****

Ref. No.	Part No.	Description	Remark
*	1-642-098-11	H. P. BOARD **********	
		< CONNECTOR >	
* CN6	1-564-518-11	PLUG, CONNECTOR 3P	
		< JACK >	
J850	1-507-982-31	JACK (LARGE TYPE) (HEADPHONES)	

****

*	1-642-100-11	I VOL BOARD **********	
		< CONNECTOR >	
* CN8	1-564-509-11	PLUG, CONNECTOR 6P	
* CN9	1-564-506-11	PLUG, CONNECTOR 3P	
		< VARIABLE RESISTOR >	
RV101	1-238-248-11	RES, VAR, CARBON 20K/20K (INPUT LEVEL ANAROG)	

****

*	1-642-104-11	M VOL BOARD **********	
		< CONNECTOR >	
* CN808	1-564-338-00	PIN, CONNECTOR 4P	
		< IC >	
IC801	8-759-820-62	IC LB1639	
		< VARIABLE RESISTOR >	
RV801	1-241-254-21	RES, VAR, CARBON 20KX5 (MASTER VOLUME)	

****

*	1-642-103-11	RY BOARD ********	
	1-535-476-11	TERMINAL (AEP, G)	
*	1-560-242-61	BUS BAR 2P (US, Canadian, E)	
		< TERMINAL >	
* BP1	1-560-595-00	TERMINAL (WITH BASE) (US, Canadian)	
		< CAPACITOR >	
⚠C921	1-161-744-00	CERAMIC 0.01uF 400V (US, Canadian)	
⚠C921	1-161-741-00	CERAMIC 0.001MF 10% 400V (AEP, G, E)	

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Ref. No.	Part No.	Description	Remark
⚠C922	1-136-279-11	FILM 0.047uF 20% 250V	
		< CONNECTOR >	
* CN807	1-564-336-00	PIN, CONNECTOR 2P	
		< AC OUTLET >	
⚠CNJ901	1-540-059-21	OUTLET, AC (POLAR) (AC OUTLET) (US, Canadian)	
⚠CNJ901	1-540-040-21	OUTLET, AC (NONPOLAR) (2P) (AC OUTLET) (E)	
⚠CNJ902	1-540-059-21	OUTLET, AC (POLAR) (AC OUTLET) (US, Canadian)	
⚠CNJ902	1-540-040-21	OUTLET, AC (NONPOLAR) (2P) (AC OUTLET) (E)	
		< FUSE HOLDER >	
⚠FJ901	1-533-189-11	HOLDER, FUSE (US, Canadian, AEP, G)	
⚠FJ902	1-533-189-11	HOLDER, FUSE (AEP, G)	
		< RELAY >	
⚠RY901	1-515-701-11	RELAY (US, Canadian)	
⚠RY901	1-515-617-11	RELAY (AEP, G, E)	
		< TRANSFORMER >	
⚠T902	1-421-960-11	TRANSFORMER, LINE FILTER	
		< CONNECTOR >	
* VH1	1-564-321-00	PIN, CONNECTOR 2P	
**********			
*	1-642-096-11	SW BOARD ********	
		< CONNECTOR >	
* CND806	1-564-340-00	PIN, CONNECTOR 6P	
		< DIODE >	
D1050	8-719-301-37	LED SEL2210S-CD (POWER) (AEP, E, G)	
		< IC >	
IC1050	8-749-920-83	IC GP1U52XB	
		< TRANSISTOR >	
Q1031	8-729-900-80	TRANSISTOR DTC114ES (AEP, G, E)	
Q1032	8-729-900-80	TRANSISTOR DTC114ES (AEP, G, E)	
		< RESISTOR >	
R1035	1-259-452-11	CARBON 10K 5% 1/6W (AEP, G, E)	
R1036	1-259-418-11	CARBON 390 5% 1/6W (AEP, G, E)	
		< SWITCH >	
S1050	1-554-303-21	SWITCH, TACTILE (POWER)	
**********			
*	1-642-404-11	V. S. BOARD (E) **********	
*	1-564-687-11	PIN, CONNECTOR 3P (E)	
		< FUSE HOLDER >	
FJ903	1-533-189-11	HOLDER, FUSE (E)	
FJ904	1-533-189-11	HOLDER, FUSE (E)	
		< CONNECTOR >	
* VH2	1-564-321-00	PIN, CONNECTOR 2P (E)	
		< SWITCH >	
⚠S901	1-572-009-11	SELECTOR, VOLTAGE (VOLTAGE SELECTOR) (E)	
**********			
*	1-642-102-11	V5 BOARD ********	
		< CONNECTOR >	
* CN1	1-564-505-11	PLUG, CONNECTOR 2P	
* CN11	1-564-506-11	PLUG, CONNECTOR 3P	
		< JACK >	
J810	1-563-136-61	JACK, PIN (VIDEO 5 INPUT)	
**********			
*	A-4347-548-A	VIDEO BOARD, COMPLETE **********	
		< CAPACITOR >	
C701	1-124-471-00	ELECT 1000uF 20% 6.3V	
C702	1-124-471-00	ELECT 1000uF 20% 6.3V	
C703	1-124-471-00	ELECT 1000uF 20% 6.3V	
C704	1-124-471-00	ELECT 1000uF 20% 6.3V	
C705	1-124-471-00	ELECT 1000uF 20% 6.3V	
C709	1-124-907-11	ELECT 10uF 20% 50V	
C710	1-124-907-11	ELECT 10uF 20% 50V	
C711	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C712	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C713	1-161-379-00	CERAMIC 0.01uF 20% 25V	
C714	1-136-165-00	FILM 0.1uF 5% 50V	

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VIDEO

Ref. No.	Part No.	Description			Remark
C715	1-136-165-00	FILM	0.1uF	5%	50V
C716	1-136-165-00	FILM	0.1uF	5%	50V
C717	1-124-471-00	ELECT	1000uF	20%	6.3V
C718	1-124-471-00	ELECT	1000uF	20%	6.3V
C719	1-124-471-00	ELECT	1000uF	20%	6.3V
C720	1-124-907-11	ELECT	10uF	20%	50V
C721	1-124-907-11	ELECT	10uF	20%	50V
C724	1-136-165-00	FILM	0.1uF	5%	50V
C725	1-124-907-11	ELECT	10uF	20%	50V
C726	1-124-907-11	ELECT	10uF	20%	50V
C727	1-161-379-00	CERAMIC	0.01uF	20%	25V
C728	1-161-379-00	CERAMIC	0.01uF	20%	25V
C729	1-126-101-11	ELECT	100uF	20%	16V
C730	1-126-101-11	ELECT	100uF	20%	16V
C731	1-126-101-11	ELECT	100uF	20%	16V
C732	1-126-101-11	ELECT	100uF	20%	16V
C733	1-126-101-11	ELECT	100uF	20%	16V
C734	1-124-907-11	ELECT	10uF	20%	50V
C735	1-126-044-11	ELECT	1uF	20%	50V
C736	1-126-101-11	ELECT	100uF	20%	16V
C743	1-126-101-11	ELECT	100uF	20%	16V
C744	1-162-294-31	CERAMIC	0.001uF	10%	50V
		< CONNECTOR >			
* CND804	1-564-339-00	PIN, CONNECTOR 5P			
* CND805	1-564-340-00	PIN, CONNECTOR 6P			
* CNE1	1-564-508-11	PLUG, CONNECTOR 5P			
		< DIODE >			
D701	8-719-987-63	DIODE	1N4148M		
D702	8-719-987-63	DIODE	1N4148M		
D703	8-719-987-63	DIODE	1N4148M		
		< IC >			
IC701	8-759-805-14	IC	LC7822		
IC702	8-759-805-14	IC	LC7822		
IC703	8-759-057-42	IC	MC14576BP		
IC704	8-759-805-15	IC	LC7823		
IC705	8-759-805-15	IC	LC7823		
IC706	8-759-057-42	IC	MC14576BP		
IC707	8-759-057-42	IC	MC14576BP		
		< JACK >			
J701	1-568-752-61	JACK, PIN (3P SHIELD TYPE) (TV/LD/VIDEO 4 VIDEO IN)			
J702	1-568-752-61	JACK, PIN (3P SHIELD TYPE) (VIDEO 2 VIDEO OUT, VIDEO 3 VIDEO IN/OUT)			
J703	1-568-752-61	JACK, PIN (3P SHIELD TYPE) (VIDEO 1 VIDEO IN/OUT, VIDEO 2 VIDEO OUT)			
J704	1-568-751-71	JACK, PIN (2P SHIELD TYPE) (MONITOR VIDEO OUT 1/2)			
J705	1-566-846-21	CONNECTOR, (S) TERMINAL 4P (VIDEO 2 S VIDEO OUT)			
J706	1-566-846-21	CONNECTOR, (S) TERMINAL 4P (VIDEO 2 S VIDEO IN)			
J707	1-566-846-21	CONNECTOR, (S) TERMINAL 4P (VIDEO 1 S VIDEO OUT)			
J708	1-566-846-21	CONNECTOR, (S) TERMINAL 4P (VIDEO 1 S VIDEO IN)			
J711	1-566-846-21	CONNECTOR, (S) TERMINAL 4P (MONITOR S VIDEO OUT)			
		< COIL >			
L701	1-410-521-11	INDUCTOR	100uH		
L702	1-410-521-11	INDUCTOR	100uH		
L703	1-410-521-11	INDUCTOR	100uH		
L704	1-410-521-11	INDUCTOR	100uH		
		< TRANSISTOR >			
Q701	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q702	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q703	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q704	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q705	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q706	8-729-900-74	TRANSISTOR	DTC143TS		
Q707	8-729-900-74	TRANSISTOR	DTC143TS		
Q708	8-729-900-74	TRANSISTOR	DTC143TS		
Q709	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q710	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q711	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q712	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q713	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q715	8-729-620-05	TRANSISTOR	2SC2603-EF		
		< RESISTOR >			
R701	1-247-804-11	CARBON	75	5%	1/4W
R702	1-247-804-11	CARBON	75	5%	1/4W
R703	1-247-804-11	CARBON	75	5%	1/4W
R704	1-247-804-11	CARBON	75	5%	1/4W
R705	1-247-804-11	CARBON	75	5%	1/4W
R706	1-247-804-11	CARBON	75	5%	1/4W
R707	1-247-804-11	CARBON	75	5%	1/4W
R708	1-247-804-11	CARBON	75	5%	1/4W
R709	1-247-804-11	CARBON	75	5%	1/4W
R710	1-247-804-11	CARBON	75	5%	1/4W
R711	1-247-804-11	CARBON	75	5%	1/4W
R712	1-247-804-11	CARBON	75	5%	1/4W
R713	1-249-429-11	CARBON	10K	5%	1/4W
R714	1-249-429-11	CARBON	10K	5%	1/4W

VIDEO | VOL LED | YC

Ref. No.	Part No.	Description			Remark
R715	1-249-429-11	CARBON	10K	5%	1/4W
R716	1-249-429-11	CARBON	10K	5%	1/4W
R717	1-249-429-11	CARBON	10K	5%	1/4W
R718	1-249-413-11	CARBON	470	5%	1/4W
R719	1-249-413-11	CARBON	470	5%	1/4W
R720	1-249-413-11	CARBON	470	5%	1/4W
R721	1-249-413-11	CARBON	470	5%	1/4W
R722	1-249-413-11	CARBON	470	5%	1/4W
R723	1-249-405-11	CARBON	100	5%	1/4W
R725	1-249-405-11	CARBON	100	5%	1/4W
R727	1-249-421-11	CARBON	2.2K	5%	1/4W
R729	1-249-421-11	CARBON	2.2K	5%	1/4W
R731	1-249-421-11	CARBON	2.2K	5%	1/4W
R733	1-249-428-11	CARBON	8.2K	5%	1/4W
R735	1-247-804-11	CARBON	75	5%	1/4W
R736	1-247-804-11	CARBON	75	5%	1/4W
R737	1-247-804-11	CARBON	75	5%	1/4W
R738	1-247-804-11	CARBON	75	5%	1/4W
R739	1-247-804-11	CARBON	75	5%	1/4W
R740	1-247-804-11	CARBON	75	5%	1/4W
R741	1-247-804-11	CARBON	75	5%	1/4W
R742	1-247-804-11	CARBON	75	5%	1/4W
R743	1-247-804-11	CARBON	75	5%	1/4W
R744	1-247-804-11	CARBON	75	5%	1/4W
R749	1-247-804-11	CARBON	75	5%	1/4W
R750	1-247-804-11	CARBON	75	5%	1/4W
R751	1-249-429-11	CARBON	10K	5%	1/4W
R752	1-249-429-11	CARBON	10K	5%	1/4W
R753	1-249-429-11	CARBON	10K	5%	1/4W
R754	1-249-429-11	CARBON	10K	5%	1/4W
R755	1-249-429-11	CARBON	10K	5%	1/4W
R756	1-249-429-11	CARBON	10K	5%	1/4W
R757	1-249-413-11	CARBON	470	5%	1/4W
R758	1-249-413-11	CARBON	470	5%	1/4W
R759	1-249-413-11	CARBON	470	5%	1/4W
R760	1-249-413-11	CARBON	470	5%	1/4W
R763	1-249-405-11	CARBON	100	5%	1/4W
R765	1-249-405-11	CARBON	100	5%	1/4W
R767	1-249-405-11	CARBON	100	5%	1/4W
R769	1-249-405-11	CARBON	100	5%	1/4W
R772	1-249-422-11	CARBON	2.7K	5%	1/4W
R773	1-249-441-11	CARBON	100K	5%	1/4W
R774	1-249-441-11	CARBON	100K	5%	1/4W
R775	1-249-441-11	CARBON	100K	5%	1/4W
R776	1-249-428-11	CARBON	8.2K	5%	1/4W
R777	1-249-429-11	CARBON	10K	5%	1/4W
R778	1-249-422-11	CARBON	2.7K	5%	1/4W
R780	1-249-439-11	CARBON	68K	5%	1/4W
R781	1-247-887-00	CARBON	220K	5%	1/4W
R782	1-247-887-00	CARBON	220K	5%	1/4W
R783	1-247-887-00	CARBON	220K	5%	1/4W
R784	1-247-895-00	CARBON	470K	5%	1/4W
R785	1-247-895-00	CARBON	470K	5%	1/4W
R786	1-249-405-11	CARBON	100	5%	1/4W
R787	1-249-429-11	CARBON	10K	5%	1/4W
R788	1-249-429-11	CARBON	10K	5%	1/4W
R789	1-249-413-11	CARBON	470	5%	1/4W

****

* 1-642-097-11 VOL LED BOARD

****

< DIODE >

D1051 8-719-301-37 LED SEL2210S-CD (VOLUME)

****

* 1-642-099-11 YC BOARD

****

< CAPACITOR >

C740 1-101-004-00 CERAMIC 0.01uF 50V

< CONNECTOR >

* CN1A 1-564-506-11 PLUG, CONNECTOR 3P

< JACK >

J801 1-566-847-21 CONNECTOR, (S) TERMINAL 4P
(VIDEO 5 INPUT S VIDEO)

****

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
⚠8	1-559-479-11	CORD, POWER (US, Canadian)	
⚠15	1-551-238-00	CORD, POWER 3 CORE (AEP, G)	
⚠23	1-559-297-31	CODE, POWER (E)	
24	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
⚠25	1-526-988-11	OUTLET, AC (CEE) (AEP, G)	
31	1-543-619-41	CORE, RING (US, Canadian, G)	
32	1-543-824-11	CORE, TROIDAL (US, Canadian, G)	
68	1-452-419-21	MAGNET	
80	1-543-786-11	CLAMP, SLEEVE FERRITE (US, Canadian, G)	
⚠F901	1-532-613-XX	FUSE, TIME-LAG (250V 0.2A) (AEP, G)	
⚠F901	1-532-740-11	FUSE, GLASS TUBE (US, Canadian)	
⚠F902	1-532-299-00	FUSE, TIME-LAG (T5A) (AEP, G)	
⚠F903	1-532-284-00	FUSE, TIME-LAG (T6.3A) (E)	
⚠F904	1-532-284-00	FUSE, TIME-LAG (T6.3A) (E)	
⚠T901	1-449-835-11	TRANSFORMER, POWER (US, Canadian)	
⚠T901	1-449-881-11	TRANSFORMER, POWER (AEP, G)	
⚠T901	1-449-883-11	TRANSFORMER, POWER (E)	
**********			
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-465-844-11	REMOTE COMMANDER (RM-P2000)	
	1-543-827-11	CLAMP, SLEEVE FERRITE (US, Canadian, G)	
	1-558-271-11	CORD, CONNECTION	
*	2-135-414-01	SHEET, PROTECTION	
	3-703-450-01	INSTRUCTION (US)	
*	3-703-713-41	STICKER, SONY SYMBOL (10) (US, Canadian)	
	3-704-366-01	SCREW (CASE) (M3X8) (AEP, G, E)	
	3-704-366-31	SCREW (CASE) (M3X6) (US, Canadian)	
	3-754-484-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (AEP, E)	
	3-754-484-21	MANUAL, INSTRUCTION (ENGLISH) (US, Canadian)	
	3-754-484-31	MANUAL, INSTRUCTION (FRENCH) (Canadian)	
	3-754-484-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP, G)	
*	4-933-001-01	CUSHION	
*	4-951-278-01	INDIVIDUAL CARTON	
**********			
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	
#2	7-682-547-09	SCREW +BVTT 3X6 (S)	
#3	7-682-548-09	SCREW +BVTT 3X8 (S)	
#4	7-682-561-04	SCREW +BVTT 4X8 (S) (AEP, G)	
#5	7-623-210-22	SW 4, TYPE 2 (AEP, G)	

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9-956-836-12

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Audio Group

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TA-E2000ESD

SONY®
SERVICE MANUAL

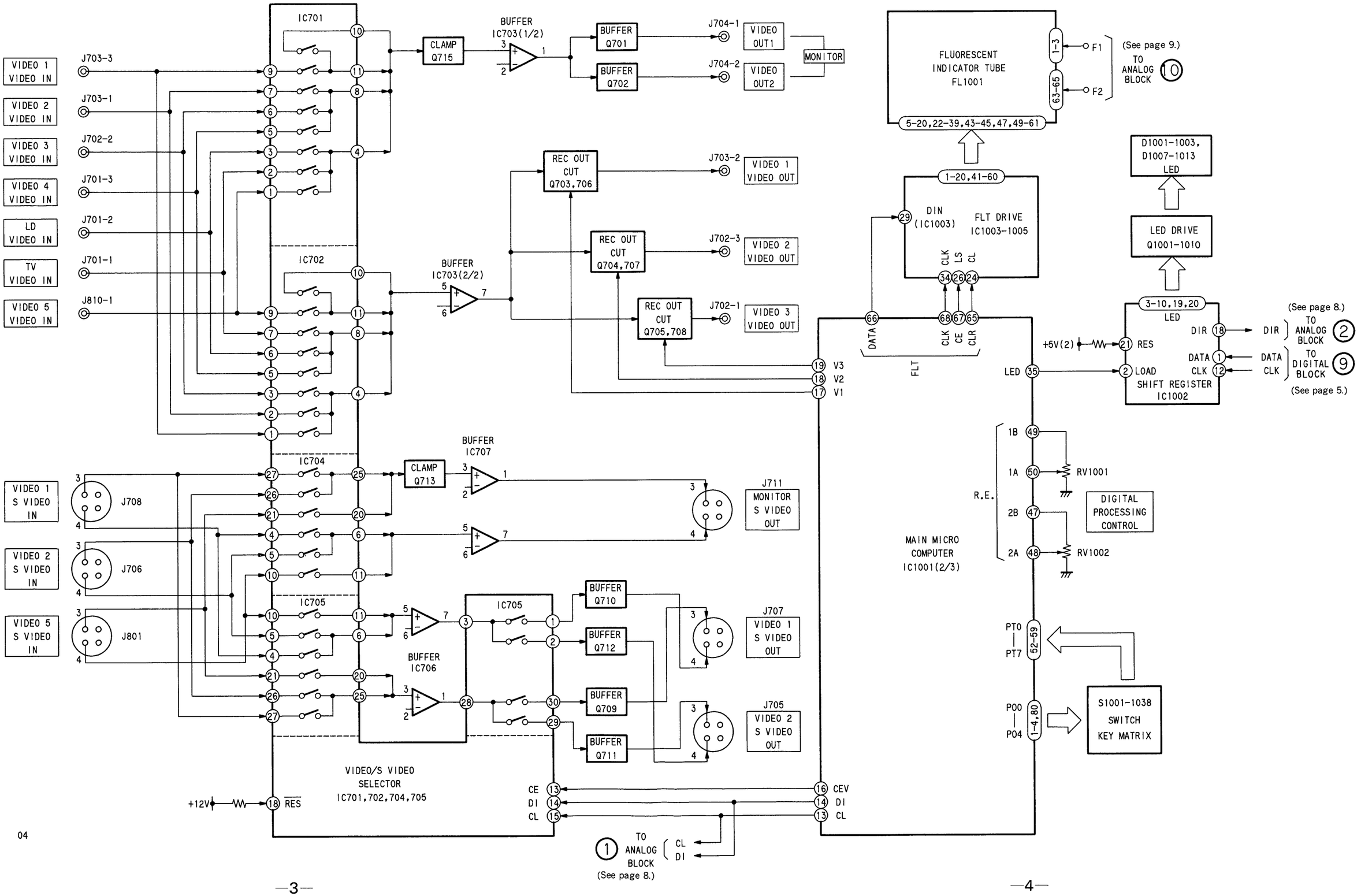
US Model
Canadian Model
AEP Model
E Model

SUPPLEMENT-1

SUBJECT : BLOCK DIAGRAMS

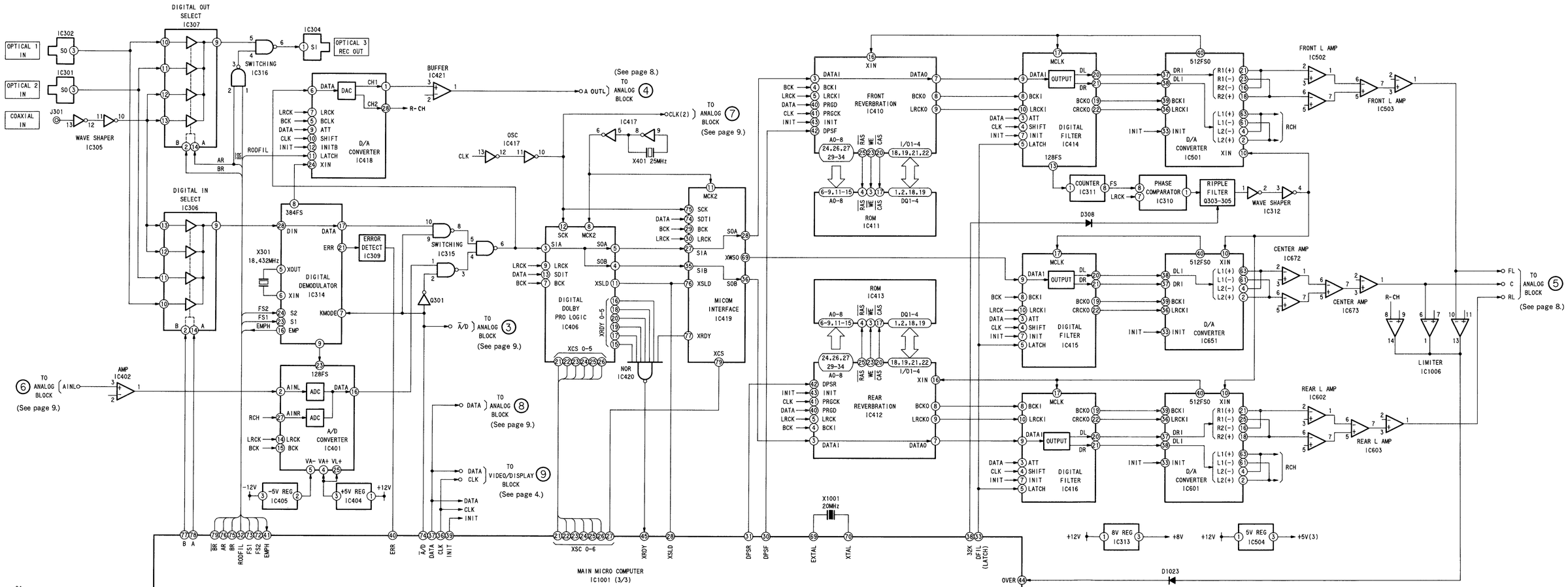
File this supplement with the Service Manual.

BLOCK DIAGRAM—VIDEO/DISPLAY SECTION—



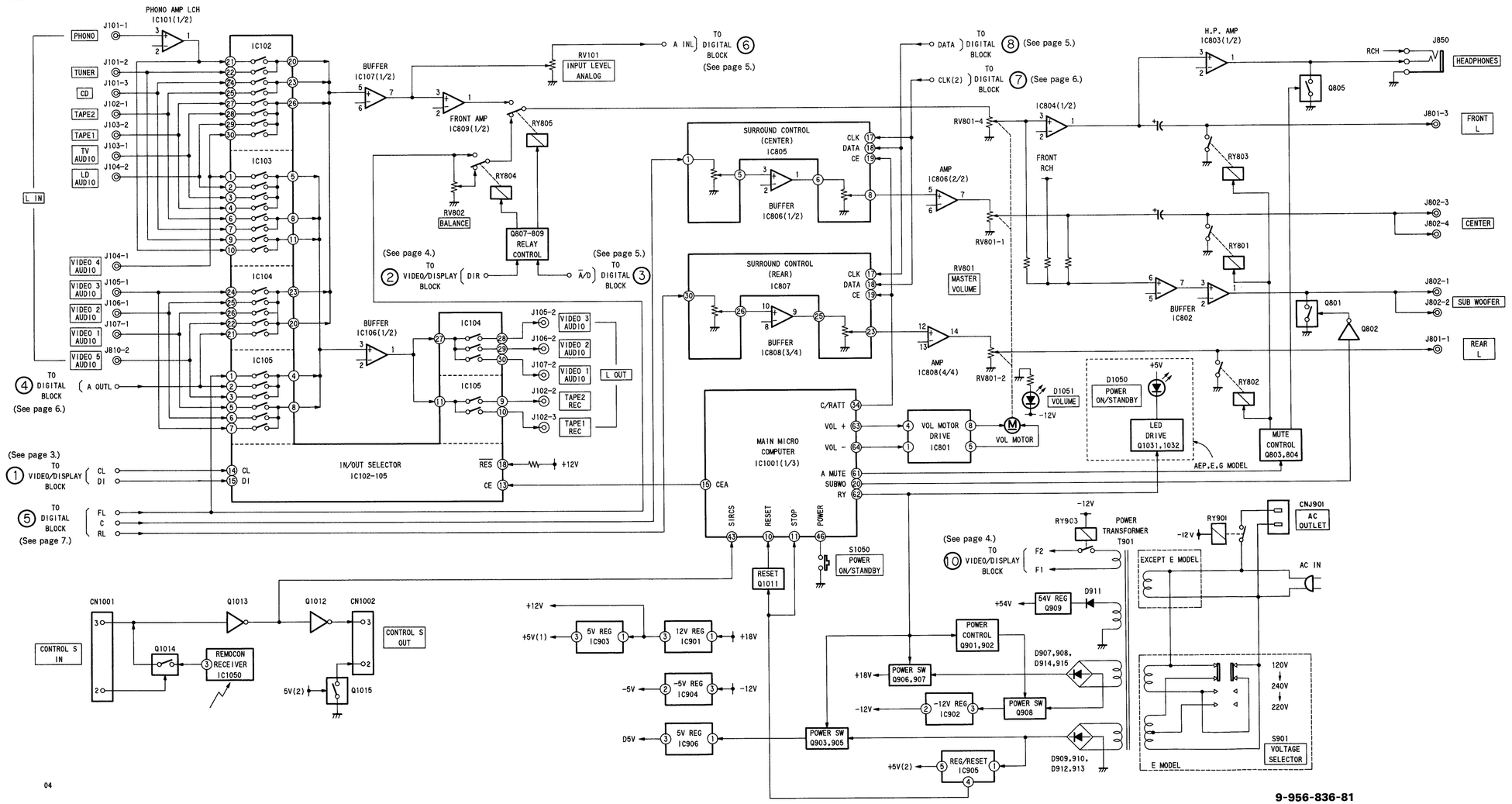
04

BLOCK DIAGRAM—DIGITAL SECTION—



04

BLOCK DIAGRAM—ANALOG SECTION—



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SONY
SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model

SUPPLEMENT-2

File this supplement with the service manual.

Subject : US model disuse the side panel.

· Difference Parts

Page	Ref.No.	Part No.	Description
34	5	3-704-366-31	SCREW (CASE) (M3×6)

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